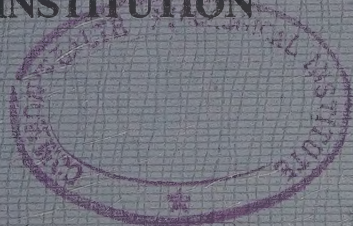


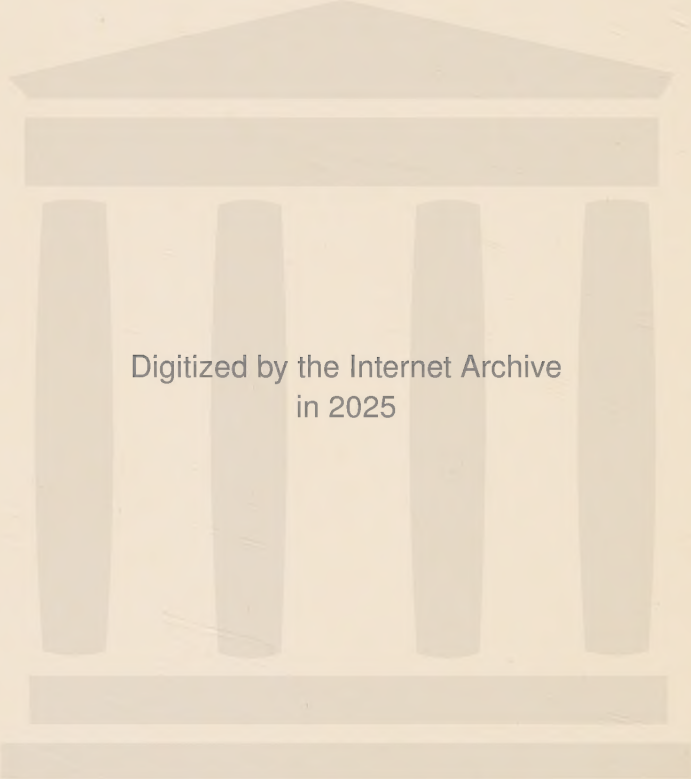
BRITISH STANDARDS 881 & 589:1946

Nomenclature of Commercial Timbers

**Including
Botanical Names and
Sources of Supply**

BRITISH STANDARDS INSTITUTION





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J. C. Hopkins

**PROVISIONAL SUPPLEMENT TO
BRITISH STANDARDS 881 & 589 : 1946**

Nomenclature of Commercial Timbers

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PROVISIONAL SUPPLEMENT TO
B.S. 881 and B.S. 589
NOMENCLATURE OF COMMERCIAL
TIMBERS

INCLUDING BOTANICAL NAMES AND SOURCES OF SUPPLY

FOREWORD

Since the last revision of British Standards 881 and 589 (issued as a single publication in 1946) many oversea timbers new to the timber trade of the United Kingdom have been imported.

In addition, new sources of supply for comparatively well-known timbers have been developed and these timbers have been put on the market under unfamiliar trade or vernacular names. For example, iroko has been imported from the Portuguese colonies as tule, intule and moreira ; agba from the Belgian Congo as ntola ; and Burma padauk from Siam under the name of pradoo.

This supplement to B.S. 881 and 589 : 1946, has been prepared to bring the standard nomenclature in line with recent developments. It has been necessary to restrict the list to those timbers which have been imported in commercial quantities and the botanical identities of which have been established with a reasonable degree of accuracy.

New names and sources of supply for timbers already included in B.S. 881 : 1946 are listed on pages 3-5 in the form of *amendments*. Those who possess a copy of the 1946 edition will find it convenient to insert these amendments in the appropriate places.

' New ' timbers which have come on the market since the 1946 edition was drawn up are listed on pages 6-13 as *addenda* to B.S. 881 and 589 : 1946; the species listed in Appendix I of the 1946 edition have been incorporated here. It will be noted that the timbers in this section of the supplement are listed in alphabetical order of botanical names (the botanical identification being in some cases provisional and subject to correction). The reason for this is that it has not been found practicable to select standard names for all the timbers concerned. **Provisional standard names have been proposed for some timbers and these are printed in capital letters in the right hand column. Comments on these proposed standard names are invited.**

The alphabetical index on pages 14-18 includes all the names listed in the amendments and the addenda.

B.S. 881 : HARDWOODS

AMENDMENTS

No. in index	Standard name	Col.	Amendment
2	afara	5	after 'limba (Belgium and Belgian Congo)', insert : 'and Angola'. delete 'offram' and insert 'ofram'
4	afzelia	2	add ' <i>A. quanzensis</i> Welw.'
		5	add 'uvala (Angola) chanfuta (Mozambique) chamfuti (South Africa) mussacossa (Mozambique)'
5	agba	5	add 'tola branca (Angola) white tola (Angola) ntola (Belgian Congo)'
21	avodiré	5	add an asterisk to 'olon'
61	celtis	5	insert 'esa (Gold Coast)'
75	courbaril	5	add '*locust (British Guiana)'
76	crabwood	5	add 'figueroa (Ecuador)'
77	dahoma	5	add 'dabema (Fr. W. Africa)'
78	danta	5	add 'kotibé (France and Ivory Coast)'
104	gurjun	5	add 'dau (France and Indo-China)'
116	iroko	5	add 'tule (Mozambique) intule (Mozambique) moreira (Angola)'
136	mahogany, African	2	add '4. <i>Khaya nyasica</i> Stapf'
		3	add 'East and Central Africa'
		5	add '4. mbaua (Mozambique) mbawa (Nyasaland and Tanganyika)'
136	mahogany, African	2	add '5. <i>Khaya senegalensis</i> A. Juss.'
		3	add 'West and Central Africa'
		5	add '5. dry-zone mahogany (General) bisselon (Port. Guinea) bissilongo (Port. Guinea)'

No. in index	Standard name	Col.	Amendment
143	maidu	5	add 'dang huong (France and Indo-China)'
155	merbau	5	add 'mirabow (N. Borneo)'
156	mersawa	3	add 'Burma, Siam, Indo-China, and East Indies'
		5	add 'kaunghmu (Burma) krabak (Siam) palosapis (Philippines) ven ven (France and Indo-China)'
160	muninga	5	add 'ambila (Mozambique) kiaat (South Africa)'
176	olive, East African	5	add 'loliondo (Kenya)'
177	opepe	5	delete 'kussia' and insert 'kusia'
179	padauk, Burma	3	add 'Siam'
		5	add 'mai pradoo (Siam) pradoo (Siam)'
197	purpleheart	5	add 'amarante (France and French Guiana)'
199	pyinma	3	add 'Siam, Indo-China'
		5	add 'intanin (Siam) bang lang (France and Indo-China)'
206	'Rhodesian teak'	5	add 'mukushi (Rhodesia) mukusi (Rhodesia)'
208	rosewood, Brazilian	4	add 'The commercial name jacaranda should not be confused with the botanical name <i>Jacaranda copaia</i> ; see addenda'
		5	add an asterisk to 'jacaranda'
214	sapele	4	transpose 'Ivory Coast' and 'Cameroons'
		4	add 'and No. 285'
222	sepetir	3	add 'Siam, Indo-China'
		5	add 'maka te (Siam) go (France and Indo-China) gu (France and Indo-China)

No.in index	Standard name	Col.	Amendment
225	'silky oak'	4	add 'The Southern silky oak of Australia (<i>Grevillea robusta</i> A. Cunn.) is extensively grown in Africa and elsewhere as an exotic and has been imported from Tanganyika'
228	snakewood	5	add 'amourette (France and French Guiana)'
236	thingan	2	Insert 'The Malayan name merawan covers <i>Hopea odorata</i> and other <i>Hopea</i> species of varying quality'
		3	after 'India' insert '(Andaman Islands)'
		5	add 'Malaya, Siam, Indo-China'
			add 'merawan (Malaya) mai takien (Siam) takien (Siam) sao (France and Indo-China)'
243	walnut, European	3	after 'British Isles', insert 'Asia Minor, S.W. Asia'
		5	add 'Persian walnut (G.B.)'
253	zebrano	2	delete ' <i>Cynometra</i> sp.' and ' <i>Brachystegia</i> sp.'; insert ' <i>Brachystegia fleuryana</i> Chev.'
254	zebrawood	2	add 'and <i>A. graveolens</i> Jacq.'
		5	insert an asterisk before 'locust wood'

B.S. 881 : HARDWOODS

ADDENDA

No.in index	Botanical species	Source of supply	Proposed standard name and other names
255	<i>Acacia aneura</i> F. Muell.	Australia	MULGA
256	<i>Acacia mollissima</i> Willd.	South Africa	BLACK WATTLE
257	<i>Acrocarpus fraxinifolius</i> Wight	India, Burma, Malaya, E. Indies	MUNDANI yetama (Burma)
258	<i>Aextoxicon punctatum</i> Ruiz & Pav.	Chile	OLIVILLO
259	<i>Albizzia</i> spp., including <i>Albizzia ferruginea</i> Benth. <i>Albizzia gummifera</i> C. A. Smith <i>Albizzia zygia</i> Macbride	Tropical Africa	okuro (Gold Coast) albizzia (Nigeria) uwowe (Nigeria) mchani (Mozambique)
260	<i>Albizzia procera</i> Benth.	India, Burma, Siam, E. Indies	white siris (India) sit (Burma)
261	<i>Alseodaphne</i> <i>semecarpifolia</i> Nees	India, Ceylon	wewarana (Ceylon) ranie (Ceylon)
262	<i>Alstonia congensis</i> Engl.	Tropical Africa	ALSTONIA pattern wood (East and West Africa) stool wood (East and West Africa) mujua (Uganda) ahun (Nigeria) awun (Nigeria) duku (Nigeria) tsonguti (Belgian Congo) sindru (Gold Coast) emien (French West Africa)
263	<i>Anacardium excelsum</i> Skeels	Tropical America	ESPAVEL caracoli (Ecuador) maranon (Ecuador)
264	<i>Aningueria altissima</i> Aubr. & Pellegr.	Tropical Africa	<i>Sideroxylon altissimum</i> Hutch. & Dalz. landosan (Nigeria) osan (Nigeria) mukangu (Kenya)

No.in index	Botanical species	Source of supply	Proposed standard name and other names
265	<i>Antiaris africana</i> Engl.	West Africa	ANTIARIS oro (Nigeria) ogiovu (Nigeria) chenchen (Gold Coast)
266	<i>Astronium gracile</i> Engl.	Brazil	guaribu (Brazil)
267	<i>Autranella congolensis</i> A. Chev.	Belgian Congo	MUKULUNGU
268	<i>Baphia nitida</i> Lodd. NOTE. The original camwood of commerce. Supplies are becoming scarce and it is being replaced by <i>Pterocarpus soyauxii</i> Taub.	West Africa	CAMWOOD
269	<i>Brachylaena hutchinsii</i> Hutch.	East Africa	muhuhu (East Africa)
270	<i>Brachystegia eurycoma</i> Harms and <i>Brachystegia leonensis</i> Hutch. & Burt Davy	West Africa	OKWEN ako (Nigeria) brachystegia (Nigeria)
271	<i>Berlinia auriculata</i> Benth. and <i>Berlinia heudelotiana</i> Baill.	West Africa	BERLINIA ekpogoi (Nigeria)
272	<i>Cabralea cangerana</i> Sald.	South America	CANGERANA cajarana (Brazil) canjarana (Brazil) cedro cangerana (Brazil)
273	<i>Cassipourea elliottii</i> Alston	East Africa	PILLARWOOD ndiri (Tanganyika)
274	<i>Celtis occidentalis</i> L.	U.S.A.	HACKBERRY
275	<i>Centrolobium ochroxylon</i> Rose NOTE. It is uncertain whether canario is <i>C. ochroxylon</i> or another species of <i>Centrolobium</i> .	South America	AMARILLO
276	<i>Chlorophora tinctoria</i> Gaud.	West Indies and Tropical America	FUSTIC moral (Ecuador) moral fino (Ecuador) yellowwood (West Indies)

(See also *Clarisia racemosa* Ruiz. & Pav., No. 277)

No. in index	Botanical species	Source of supply	Proposed standard name and other names
277	<i>Clarisia racemosa</i> Ruiz. & Pav.	Tropical America	moral (Ecuador) moral bobo (Ecuador) moral comido del mono (Ecuador)
(See also <i>Chlorophora tinctoria</i> Gaud., No. 276)			
278	<i>Cleistopholis patens</i> Engl. & Diels	East and West Africa	otu (Nigeria)
279	<i>Cordia abyssinica</i> R. Br.	East Africa	<i>Cordia holstii</i> Gurke mukomari (East Africa) mukumari (Kenya) mugoma (East Africa)
280	<i>Cordia alliodora</i> Cham.	West Indies and Tropical America	Ecuador laurel laurel de Costa (Ecuador) West Indian laurel
281	<i>Cordia fragrantissima</i> Kurz	Burma	SANDAWA
282	<i>Dalbergia sissoo</i> Roxb.	India	SISSOO shisham (India)
283	<i>Daniellia ogea</i> Rolfe	Nigeria	OGEA oziya (Nigeria)
284	<i>Embothrium coccineum</i> Forst.	South America	ciruelillo (Chile) notro (Chile)
285	<i>Entandrophragma utile</i> Sprague See No. 214, Column 4.	West Africa	utile (Gold Coast) * 'cedar' (Gold Coast) sipo (France and Ivory Coast) assié (French Cameroons)
286	1. <i>Erythrophleum guineense</i> G. Don. 2. <i>Erythrophleum ivorense</i> A. Chev.	Tropical Africa	1 and 2. TALI 1. kassa (Belgian Congo) erun (Nigeria) muave (North Rhodesia) missanda (East Africa) sasswood (Nigeria) 2. <i>E. micranthum</i> Harms erun (Nigeria) potrodom (Gold Coast) sasswood (Nigeria)
287	<i>Erythroxylum mannii</i> Oliv.	West Africa	LANDA dabé (Ivory Coast)
288	<i>Eucryphia cordifolia</i> Cav.	Chile	ulmo (Chile)

No.in index	Botanical species	Source of supply	Proposed standard name and other names
289	<i>Fagara macrophylla</i> Engl.	Tropical Africa	OLON olon dur (France and French West Africa) olonvogo (France and French West Africa) *satinwood (East Africa)
NOTE. The olon tendre of the French West African colonies is considered to be a variety of <i>F. macrophylla</i> .			
290	<i>Fagaropsis angolensis</i> Dale	East Africa	MAFU <i>Clausena melioides</i> Harms murumu (Kenya) mukarakati (Kenya) mfu (Tanganyika)
291	<i>Fagraea fragrans</i> Roxb.	India, Burma, Malaya, Siam, and East Indies	ANAN
292	<i>Goupia glabra</i> Aubl.	Brazil, Colombia, The Guianas	KABUKALLI cupiuba (Brazil) kopie (Dutch Guiana) goupi (French Guiana)
293	<i>Hieronyma alchorneoides</i> Fr. All.	West Indies and Tropical America	PILON
294	<i>Hura crepitans</i> L.	West Indies, Tropical America	HURA assacu (Brazil) possentrie (Dutch Guiana) sandbox (general)
295	<i>Jacaranda copaia</i> D. Don	Tropical America	fotui (British Guiana) futi (British Guiana) gobaia (Dutch Guiana)
296	<i>Laurelia aromatica</i> Juss.	Chile	CHILEAN LAUREL
297	<i>Laurelia serrata</i> Ph.	Chile	TEPA
298	<i>Macrolobium coeruleoides</i> De Wild.	Tropical Africa	bomanga (Belgian Congo)
299	<i>Macrolobium dewevrei</i> De Wild.	Tropical Africa	limbali (Belgian Congo) ligudu (Belgian Congo) ditshipi (Belgian Congo)
300	<i>Maesopsis eminii</i> Engl.	Tropical Africa	MUSIZI
301	<i>Millettia laurentii</i> Willden.	Tropical Africa	wenge (Belgian Congo)

No. in index	Botanical species	Source of supply	Proposed standard name and other names
302	<i>Millettia stuhlmannii</i> Taub.	East Africa	panga panga (Mozambique)
303	<i>Mimusops djave</i> Engl.	West Africa	MOABI djave (Nigeria)
304	<i>Morus lactea</i> Mildbr.	East Africa	East African mulberry mecodze (Mozambique)
305	<i>Nectandra rectinervia</i> Meissn.	Ecuador	ALCANFOR
306	<i>Nothofagus dombeyi</i> Blume	Chile	COIGÜE BEECH coihue (Chile) Chilean beech (G.B.)
307	<i>Nothofagus procera</i> Oerst.	Chile	RAULI BEECH Chilean beech (G.B.)
308	<i>Ocotea barcellensis</i> Mez	Brazil	louro inamui (Brazil)
309	<i>Ocotea caracasana</i> Mez	Tropical America	cedro colorado (Ecuador)
310	<i>Ocotea guianensis</i> Aubl.	Tropical America	louro branco (Brazil)
311	Various species of <i>Ocotea</i> and <i>Nectandra</i> and possibly other <i>Lauraceae</i>	Tropical America	jigua (Ecuador)
312	<i>Ocotea</i> or <i>Nectandra</i> sp.	Tropical America	louro preto (Brazil)
313	<i>Persea lingue</i> Nees	Chile	LINGUE
NOTE. Not to be confused with No. 4 of B.S. 881 'lingué.'			
314	<i>Plathymenia reticulata</i> Benth.	Brazil	VINHATICO vinhatico castanho (Brazil)
NOTE. Not to be confused with vinhatico de espinho, <i>Chloroleucon</i> species (Brazil).			
315	<i>Platymiscium pinnatum</i> Dugand	Tropical America	caoba (Ecuador) vencola (Venezuela)

No.in index	Botanical species	Source of supply	Proposed standard name and other names
316	<i>Poga oleosa</i> Pierre	West Africa	POGA inoi nut (Nigeria) ovoga (Gaboon)
317	<i>Prioria copaifera</i> Griseb.	West Indies and Central America	CATIVO cautivo (Panama and U.S.A.)
318	<i>Pterocarpus soyauxii</i> Taub.	West Africa	AFRICAN PADAUK barwood (Trade) padouk (France and French West Africa) *camwood (Nigeria) corail (Belgian Congo)
NOTE. Sometimes marketed as camwood, see <i>Baphia nitida</i> , No. 268.			
319	<i>Pycnanthus kombo</i> Warb.	West Africa	PYCNANTHUS akomu (Nigeria) otie (Gold Coast) ilomba (Cameroons and Ivory Coast) walele (Ivory Coast)
320	<i>Rapanea rhododendroides</i> Mez	East Africa	RAPANEA mlimangombe (Tanganyika)
321	<i>Ricinodendron africanum</i> Müll.-Arg.	Tropical Africa	ERIMADO wama (Gold Coast) sangasanga (Belgian Congo)
322	<i>Sandoricum indicum</i> Cav.	Burma, Siam, East Indies	katawn (Siam) katon (Siam) thitto (Burma)
323	<i>Sickingia</i> sp.	Tropical America	colorado (Ecuador)
NOTE. The name 'colorado' is also applied to other timbers in Ecuador and elsewhere.			
324	<i>Simaruba amara</i> Aubl.	Tropical America	SIMARUBA marupa (Brazil) simarupa (Guianas)
325	<i>Sterculia oblonga</i> Mast. and possibly other <i>Sterculia</i> species	West Africa	YELLOW STERCULIA okoko (Nigeria)
NOTE. See No. 326.			
326	<i>Sterculia rhinopetala</i> K. Schum.	West Africa	BROWN STERCULIA wawabima (Gold Coast) aye (Nigeria)
NOTE. See No. 325.			

No.in index	Botanical species	Source of supply	Proposed standard name and other names
327	<i>Strombosia pustulata</i> Oliv.	West Africa	AFINA ubelu (Nigeria)
328	<i>Symphonia gabonensis</i> Pierre and <i>S. gabonensis</i> var. <i>macrantha</i> Hutch. and Dalz.	West Africa	osol (Gaboona)
329	<i>Tabebuia guayacan</i> Hemsl. and possibly other species	Central America	guayacan (Ecuador)
330	<i>Tabebuia pentaphylla</i> Hemsl. and possibly other species	West Indies and Tropical America	MAYFLOWER roble (Ecuador) roble de costa (Ecuador) roble blanco (W. Indies)
331	<i>Tarrietia utilis</i> Sprague	West Africa	NYANKOM niangon (France and Ivory Coast)
332	<i>Terminalia arjuna</i> Bedd.	India, Ceylon	kumbuk (Ceylon) arjun (India)
333	<i>Terminalia paniculata</i> Roth.	India	KINDAL
334	<i>Trachylobium</i> <i>verrucosum</i> Oliv.	East Africa	MASANDARUSI mtandarusi (East Africa)
335	<i>Trema integerrima</i> Beurl.	West Indies and Tropical America	sapan de paloma (Ecuador)
336	<i>Triplaris guayaquilensis</i> Wedd. and possibly other species	Ecuador	FERNAN SANCHEZ cuero prieto (Ecuador)
337	<i>Virola bicuhyba</i> Warb.	Brazil	BICUIBA

No.in index	Botanical species	Source of supply	Proposed standard name and other names
338	<i>Virola surinamensis</i> Warb. and other species NOTE. Banak (<i>Virola koschnyi</i> Warb.) is a similar type of timber ; see No. 25 of B.S. 881.	South America	DALLI virola (Colombia) baboen (Dutch Guiana) ucuhuba (Brazil)
339	<i>Weinmannia trichosperma</i> Cav.	South America	TINEO teniu } Chile tenio }

B.S. 589 : SOFTWOODS

ADDENDA

No.in index	Botanical species	Source of supply	Proposed standard name and other names
571	<i>Fitzroya cupressoides</i> F. M. Johnston	Chile	ALERCE <i>F. patagonica</i> Hook. f.
572	Principally : 1. <i>Podocarpus nubigenus</i> Lindl. 2. <i>Podocarpus chilinus</i> Rich.	Chile Chile	1. & 2. MANIO 1. manilihuan (Chile) maniu (Chile) 2. <i>P. salignus</i> Don maniu (Chile) maniu de la frontera (Chile)

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NOTE. The standard name and reference number are shown in black type.

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In order to keep abreast of progress in the industries concerned, British Standards are subject to periodical review. Suggestions for improvements will be recorded and in due course brought to the notice of the committees charged with the revision of the standards to which they refer.

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CO-OPERATING ORGANISATIONS

The Timber Industry Committee under whose supervision this British Standard was prepared consists of representatives from the following Government departments and scientific and industrial organisations :

- *Department of Scientific and Industrial Research
 - *(Forest Products Research Laboratory)
- Ministry of Health
- *Ministry of Works
 - Association of Consulting Engineers
 - Chartered Surveyors' Institution
- *English Joinery Manufacturers' Association
- *Institution of Civil Engineers
 - Institution of Municipal and County Engineers
 - Institution of Structural Engineers
- *National Federation of Building Trades Employers
- *Railway Companies of Great Britain
- *Royal Institute of British Architects
- *Timber Development Association
- *Timber Trade Federation of the U.K.

The Government departments and scientific and industrial organisations marked with an asterisk in the above list, together with the following, were directly represented on the committees entrusted with the preparation of this British Standard :

- British Furniture Trade Confederation
- Empire Forestry Association
- High Commissioner for India
- High Commissioner for New Zealand
- Imperial Institute
- Trade Commissioner for Canada
- Other suppliers of timber

FOREWORD

1. This British Standard is a revision of B.S. 589 : 1935 'Nomenclature of softwoods' and B.S. 881 : 1939 'Nomenclature of hardwoods'. These are now issued as a single publication, though retaining their respective B.S. numbers. It should be understood that the subdivision of commercial timbers into these two classes follows the definitions of hardwoods and softwoods in B.S. 565 : 1938 'Terms and definitions applicable to hardwoods and softwoods,' based on a long-standing custom of the trade. These definitions are as follows :

Hardwood. A conventional term used to denote the timber of broadleaved trees belonging to the botanical group *Angiosperms*.

Softwood. A conventional term used to denote the timber of trees belonging to the botanical group *Gymnosperms*. Commercial timbers of this group are practically confined to the class *Coniferae* or Conifers.

2. The nomenclature is intended to cover all hardwoods and softwoods of economic importance in Great Britain. In this revised edition the list has been extended to include a number of timbers which have come on the home market in recent years.

3. In drawing up this Nomenclature the British Standards Institution has been guided by the principle of establishing a single Standard Name for each timber and restricting that name to one timber only. The names apply to timber in any stage of conversion or manufacture, including veneers and plywood. It should be noted that in the case of European spruce or whitewood and Scots pine or redwood, it has been considered expedient to depart from this principle. In preparing the previous edition of the 'Nomenclature of softwoods' the committee found itself compelled to recognise the established custom of using one name for the home-grown timber and another for the imported, and accordingly it was decided to list them separately. This distinction has been maintained in the present edition.

4. In the past, especially as regards many timbers in common use, one timber has been known by a number of different names, some of these names having significance in the country of origin, others having local significance in particular areas of Great Britain, and this has caused confusion. As a general rule it has been considered inexpedient to reject names firmly established by trade custom in this country ; where it has been necessary to choose between several such names, the most widely used name has been selected as the standard. In certain cases it has been found impossible to reconcile established usage in this country with standard practice in the country of origin, and some names adopted as standard in Australia, the United States of America and elsewhere have been found unacceptable as standard names in Great Britain. Wherever possible, however, names standardized in the country of origin have been adopted as standard names for this nomenclature.

5. Another difficulty confronting the drafting committee has been the general practice of applying the names of well-known woods, such as oak, walnut, mahogany or teak, to timbers which have no botanical relationship with those properly so named. In allotting standard names to these timbers it has been found necessary in some cases to adopt names which, although inappropriate, have become firmly established by trade custom. Names in this category are generally distinguished by quotation marks and, in addition, those which may be confusing or even misleading if interpreted literally, are marked with a special sign (†). It † should not be inferred, however, that the timbers in question are necessarily inferior to timbers which are true to name. Furthermore, it should be understood that the acceptance of unsatisfactory trade names as standard, in these instances, must not be considered a precedent to justify the acceptance of similar names hereafter.

6. The name cedar has usually been associated with scented woods, irrespective of their botanical attributes, and as a result a number of cedars will be found listed among both hardwoods and softwoods.

7. Some users of pitch pine have been under the impression that the commercial timber known as longleaf pitch pine was produced from the botanical species *Pinus palustris*, and, similarly, that shortleaf pitch pine was from *P. echinata*. Recent advice from the Forest Products Laboratory, Madison, U.S.A., however, indicates that longleaf pitch pine and shortleaf pitch pine are both mixtures of timbers from several southern pines and the names have been re-arranged to conform with the trade practice.

8. It is common knowledge that the quality of many commercial timbers varies with locality of growth and also depends on methods of conversion and the degree of selection exercised by shippers. For this reason the name of the port of shipment or the district of origin is often associated with timber of a particular quality, as, for example, in the case of pine (redwood) and oak from different parts of Europe and mahogany from different parts of Africa. There is no intention to restrict the use of such names (many of which are included in column 5 for reference) so long as it is realised that they indicate the quality rather than the specific identity of the timber. The characteristics that contribute to a particular property of a species from a certain locality are found in varying degrees in the same species from all localities and it is therefore impossible to state with certainty that a piece of timber having the particular characteristics of the species has come from a certain locality.

9. In drawing up the list of other names, commercial or botanical, given in column 5, the aim has been to include all names under which the timbers are commonly known, either in Great Britain or in the country of origin. The index on pages 79—101 enables these alternative names to be correlated with the appropriate standard name. Those names in column 5 which, if used, are liable to be particularly confusing are marked with an asterisk. Full use has been made of the list of trade names of * British Empire timbers issued by the Empire Forestry Association and of

similar lists drawn up by official bodies in other countries. Additions and amendments to the list of alternative names have been restricted by limitations of space and by the fact that a considerable number of amendments were received when the nomenclature was in page proof.

10. It is confidently hoped that the general adoption of a nationally agreed standard nomenclature will result in introducing uniformity and simplicity in place of the chaotic conditions which formerly existed ; it is to be expected that the use of some alternative names will continue, but the general position will have been greatly clarified. In specifications and contracts, where accuracy may be a matter of vital importance, reference to a standard name in the nomenclature should eliminate all risk of misunderstanding on either side. It is essential that the *standard name* should be quoted and not the number, as the numbers will of necessity be liable to alteration with the insertion of new items in succeeding editions of the nomenclature.

11. The Institution is indebted to the Empire Forestry Association for placing at its disposal the list of trade names of Empire timbers prepared by the Empire Forestry Conference, which has been incorporated almost without change.

12. The Institution also desires to acknowledge the great assistance rendered by the Forest Products Research Laboratory and the Imperial Forestry Institute in the preparation of this Nomenclature.

B.S. 881. BRITISH STANDARD NOMENCLATURE OF HARDWOODS

The hardwoods listed under this standard nomenclature are from broad-leaved trees belonging to the botanical group *Angiosperms*. The term hardwood has no reference to physical hardness. A few softwoods sometimes stocked by hardwood merchants will be found in B.S. 589, 'Nomenclature of softwoods.'

No. in Index	1				
	Standard name	Botanical species	Sources of supply	Remarks	Other names, commercial or botanical
1	abura	<i>Mitragyna stipulosa</i> O. Ktze. and <i>M. ciliata</i> Aubrév. & Pellegr.	West Africa	—	bahia (France and Ivory Coast) subaha (Gold Coast)
2	afara	<i>Terminalia superba</i> Engl. & Diels	West Africa	The plain light-coloured wood is marketed as limba clair or limba blanc, the figured heartwood as limba noir or limba bariolé.	white afara (G.B. and Nigeria) limba (Belgium and Belgian Congo) limbo (France and French West Africa) chêne-limbo (France and French West Africa) fraké (France and French West Africa) noyer du Mayombe (France and French West Africa) offram (Gold Coast)
3	† 'African walnut'	<i>Lovoa klaineana</i> Pierre ex Sprague	West Africa	—	** Benin walnut' (G.B.) ** Nigerian walnut' (G.B.) ** Nigerian golden walnut' (G.B.) ** Gold Coast walnut' (G.B.)

					bibolo (Cameroons) dibétou (France and French West Africa noyer d'Afrique (France and French West Africa) noyer de Gabon (France and French West Africa) apopo (Nigeria) sida (Nigeria) alona wood (U.S.A.) congowood (U.S.A.) lovoa wood (U.S.A.) *tigerwood (U.S.A.)
4	afzelia	<i>Afzelia</i> spp., principally <i>A. africana</i> Smith <i>A bipindensis</i> Harms <i>A. pachyloba</i> Harms	Tropical Africa	—	aligna (Nigeria) apa (Nigeria) ariyan (Nigeria) papao (Gold Coast) doussié (Cameroons) lingué (Ivory Coast)
5	agba	<i>Gossweilerodendron balsamiferum</i> Harms	West Africa	—	*' pink mahogany ' (G.B.) *' Nigerian cedar ' (G.B.) moboron (Nigeria)
6	alder	<i>Alnus glutinosa</i> Gaertn.	Europe, including British Isles	—	black alder (G.B.) European alder (U.S.A.)

§ The standard name and *not* the index number should be quoted, as the numbers will be liable to alteration with the insertion of new items in succeeding editions of the nomenclature.

† See foreword, page 5. * This name is misleading and its use should be discontinued.

No. in index	1	2		3	4	5
	Standard name	Botanical species		Sources of supply	Remarks	Other names, commercial or botanical
7	alder, grey	<i>Alnus incana</i> Moench		Northern Europe	—	speckled alder (U.S.A.)
8	amboyna	<i>Pterocarpus indicus</i> Willd. and spp. ?		East Indies	—	narra (Philippines and U.S.A.)
9	American whitewood	<i>Liriodendron tulipifera</i> L.		Eastern U.S.A. and Canada	Caution. Not to be confused with the softwood. See B.S. 589 'Nomenclature of softwoods' No. 568.	canary wood (G.B.) *canary whitewood (G.B.) tulip tree (G.B. and U.S.A.) **poplar' (U.S.A.) **tulip poplar' (U.S.A.) **yellow poplar' (U.S.A.) **cypress' (G.B.)
10	amyris wood	<i>Amyris balsamifera</i> L.		West Indies, Tropical S. America	—	** West Indian sandalwood' (G.B.) torchwood (W. Indies)
11	angelin	<i>Andira inermis</i> H.B. & K.		West Indies, Central America, Tropical South America	—	angelim (G.B.) **partridge wood' (G.B.) kuraru (B. Guiana) red cabbage bark (B. Honduras) cabbage bark (U.S.A.)
12	angelique	<i>Dicorynia paraensis</i> Benth.		The Guianas, Brazil	—	basralocus (B. and Dutch Guiana)

13	apitong	<i>Dipterocarpus</i> spp.	Philippines	Similar timber from India, including the Andaman Islands and Burma, and from Borneo, Malaya, etc., is sold as gurjun (see No. 104) and keruing (see No. 123) respectively.	bagac (G.B. and U.S.A.)
14	apple	<i>Malus pumila</i> Mill.	Europe, including British Isles, U.S.A.	—	<i>Pyrus malus</i> L. <i>Malus communis</i> DC.
15	ash, European	<i>Fraxinus excelsior</i> L.	Europe, including British Isles, India	The name olive ash is applied to a variegated form of brown-hearted ash	Danish ash (G.B.) English ash (G.B.) French ash (G.B.) Hungarian ash (G.B.) Polish ash (G.B.) Spanish ash (G.B.) Swedish ash (G.B.)
16	ash, American	Principally <i>Fraxinus americana</i> L. <i>F. pennsylvanica</i> var. <i>lanceolata</i> Sarg. <i>F. nigra</i> Marsh.	Canada and U.S.A.	98 per cent of American ash is the product of these three species. There are others of minor importance. All the species concerned are collectively sold as ash. The trade name white ash refers to timber of all species other than <i>F. nigra</i> (black ash or brown ash).	Canadian ash (G.B.)

§ See footnote on page 9.

* This name is misleading and its use should be discontinued.

No. in index	1		2		3		4		5	
	Standard name		Botanical species		Sources of supply		Remarks		Other names, commercial or botanical	
17	ash, Japanese		<i>Fraxinus mandshurica</i> Rupr.		Japan		See remarks under No. 221.		Manchurian ash (G.B.) tamo (Japan)	
18	aspen, European		<i>Populus tremula</i> L.		Europe, including British Isles		—		—	
19	aspen, Canadian		<i>Populus tremuloides</i> Michx.		Canada and Eastern U.S.A.		—		white poplar (Canada) quaking aspen (U.S.A.)	
20	† 'Australian white ash'		<i>Eucalyptus fraxinoides</i> Deane & Maid.		Australia		—		—	
21	avodiré		<i>Turraecanthus africanus</i> Pellegr.		Gold Coast, Ivory Coast, Angola		—		olon (G.B.) appayia (Gold Coast) apeya (Gold Coast)	
22	axle-wood		<i>Anogeissus latifolia</i> Wall.		India		—		—	

23	ayan	<i>Distemonanthus benthamianus</i> Baill.	West Africa	—	* Nigerian satinwood' (G.B.) ** Nigerian yellow satinwood' (G.B.) movingui (France and Ivory Coast) anyaran (Nigeria) anyan (Nigeria) ayanran (Nigeria)
24	balsa	<i>Ochroma lagopus</i> Sw.	West Indies, Central America, tropical South America	—	<i>O. pyramidale</i> Urb. <i>O. bicolor</i> Rowlee polak (B. Honduras)
25	banak	<i>Virola koschnyi</i> Warb.	Central America, including British Honduras	—	<i>Virola merendonis</i> Pitt. sangre palo (B. Honduras) palo de sangre (B. Honduras) tapsava (U.S.A.)
26	basswood	<i>Tilia americana</i> L. and other species of <i>Tilia</i>	Canada and Eastern U.S.A.	—	<i>Tilia glabra</i> Vent. American lime (G.B.)
27	beech, European	<i>Fagus sylvatica</i> L.	Europe, including British Isles	—	Carpathian beech (G.B.) Danish beech (G.B.) French beech (G.B.) Slavonian beech (G.B.) etc.
28	beech, hard	<i>Nothofagus truncata</i> Cockne.	New Zealand	—	clinker beech (N. Zealand)

* This name is misleading and its use should be discontinued.

† See footnote on page 9.

‡ See foreword, page 5.

No. in index	1	2		3	4	5
	Standard name	Botanical species		Sources of supply	Remarks	Other names, commercial or botanical
29	beech, North American	<i>Fagus grandifolia</i> Ehrh.		Canada and Eastern U.S.A.	—	American beech (G.B. and U.S.A.)
30	beech, red	<i>Nothofagus fusca</i> Oerst.		New Zealand	—	tawhai (N. Zealand)
31	beech, Southland	<i>Nothofagus menziesii</i> Oerst.		New Zealand	—	silver beech (N. Zealand)
32	belian	<i>Eusideroxylon zwageri</i> Teijsm. & Binn.		East Indies, including North Borneo and Sarawak	—	billian (G.B.) Borneo ironwood (G.B.)
33	birch, European	1. <i>Betula pendula</i> Roth 2. <i>Betula pubescens</i> Ehrh.		Europe, including British Isles	Karelian birch, masur birch, and flame or ice birch are special figured varieties.	1. <i>Betula verrucosa</i> Ehrh. <i>Betula alba</i> L. (partly) 2. <i>Betula alba</i> L. (partly) <i>Betula odorata</i> Bechst. 1 & 2, silver birch (G.B.) *white birch (G.B.)

34	birch, Canadian yellow	Principally <i>Betula lutea</i> Michx.	Canada, Newfoundland and Eastern U.S.A.	Curly grained and strongly figured varieties of this species are referred to in Great Britain as Canadian silky wood. Sapwood is referred to as white birch and sometimes confused with No. 35 (paper birch). Heartwood is referred to as red birch. Sweet birch (<i>Betula lenta</i> L.) is sometimes included in commercial consignments.	American birch (in part) (G.B.) betula wood (Canada) black birch (Canada) curly birch (Canada) gold birch (Canada) hard birch (Canada) Quebec birch (G.B.) yellow birch (U.S.A.)
35	birch, paper	<i>Betula papyrifera</i> Marsh.	Canada and Eastern U.S.A.	—	American birch (in part) (G.B.) American white birch (G.B.) Canadian white birch (G.B.)
36	birch, western paper	<i>Betula papyrifera</i> var. <i>occidentalis</i> Sarg.	Western Canada and U.S.A.	—	western birch (Canada and U.S.A.) western white birch (Canada and G.B.)
37	black bean	<i>Castanospermum australe</i> A. Cunn.	Australia	—	* Moreton Bay chestnut* (Australia)
38	blackbutt	<i>Eucalyptus pilularis</i> Sm.	Australia	—	—

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No. in index	1		2		3		4		5	
	Standard name		Botanical species		Sources of supply		Remarks		Other names, commercial or botanical	
39	blackwood, African		<i>Dalbergia melanoxylon</i> Guill. & Perr.		East Africa		See Nos. 208-210.		** Mozambique ebony * (G.B.)	
40	blackwood, Australian		<i>Acacia melanoxylon</i> R. Br.		Australia		—		—	
41	bombway, white		<i>Terminalia procera</i> Roxb.		India (Andaman Islands only)		—		badam (India)	
42	box, European		<i>Buxus sempervirens</i> L.		Europe, including British Isles, Asia Minor, Western Asia		—		boxwood (G.B.) Abassian box (G.B.) Iranian or Persian box (G.B.) Turkey box (G.B.)	
43	box, Cape		<i>Buxus macowani</i> Oliv.		South Africa		—		East London boxwood (G.B.)	
44	boxwood, Ceylon		<i>Canthium dicoccum</i> Merr.		India, Burma, Ceylon		—		<i>Canthium didymum</i> Roxb.	

45	boxwood, Maracaibo	<i>Gossypiospermum praecox</i> P. Wils.	Venezuela	Shipped via Curaçao ; hence the name West Indian boxwood.	<i>Casearia praecox</i> Griseb. Venezuelan boxwood (G.B.) *West Indian boxwood (G.B.) (G.B.) zapatero (G.B.)
46	boxwood, San Domingo	<i>Phyllostylon brasilensis</i> Cap.	West Indies, Mexico, South America	—	—
47	brazilwood	<i>Caesalpinia echinata</i> Lam.	Brazil	—	<i>Guilandina echinata</i> Spreng. Bahia wood (G.B.) Para wood (G.B.) Pernambuco wood (G.B.)
48	brush box	<i>Tristania conferta</i> R. Br.	Australia	—	—
49	bubinga	<i>Copaifera arnoldiana</i> Th. & H. Dur., <i>C. demeusei</i> Harms and <i>C. tessmannii</i> Harms	West Africa	In practice bubinga generally refers to sliced vener and kévazingo to rotary cut veneer of this timber.	kévazingo (G.B. and France)

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No. in Index	1 Standard name	2 Botanical species	3 Sources of supply	4 Remarks	5 Other names, commercial or botanical
50	buckeye	<i>Aesculus</i> spp., principally <i>A. octandra</i> Marsh.	U.S.A.	—	yellow buckeye (U.S.A.)
51	butternut	<i>Juglans cinerea</i> L.	Canada and Eastern U.S.A.	—	*white walnut (G.B., Canada, U.S.A.)
52	cabbage-bark, black	<i>Lonchocarpus castilloi</i> Standl.	Central America	—	—
53	camphorwood, Borneo	<i>Dryobalanops</i> spp., including <i>D. aromatica</i> Gaertn. f., <i>D. lanceolata</i> Burk. and other similar species	N. Borneo, Sarawak, Malaya, Sumatra	—	kapur (G.B.) kapor (G.B.)
54	camphorwood, East African	<i>Ocotea usambarensis</i> Engl.	Kenya, Tanganyika	—	—
55	canarium	<i>Canarium schweinfurthii</i> Engl.	West and East Africa	—	aiélé (France)
56	canella	Various species of <i>Lauraceae</i>	Brazil	—	—
57	catalpa	<i>Catalpa speciosa</i> Ward.	U.S.A.	—	hardy catalpa (U.S.A.)

58	cedar, Central American	Principally <i>Cedrela mexicana</i> Roem.	Central America and West Indies	See No. 59 and No. 238. See also B.S. 589, 'Nomenclature of soft-woods,' Nos. 502 to 510.	cedar (G.B.) cigar-box cedar (G.B.) British Honduras cedar (G.B.) Honduras cedar (G.B.) Mexican cedar (G.B.) Nicaraguan cedar (G.B.) Spanish cedar (G.B.) Tabasco cedar (G.B.) Trinidad cedar (G.B.) West Indian cedar (G.B.)
59	cedar, South American	<i>Cedrela</i> spp., including <i>C. odorata</i> L., <i>C. fissilis</i> Vell., <i>C. herreræ</i> Harms, etc.	Tropical South America	See No. 58 and No. 238. See also B.S. 589 'Nomenclature of softwoods,' Nos. 502 to 510.	Brazilian cedar (G.B.) British Guiana cedar (G.B.) Peruvian cedar (G.B.) Spanish cedar (U.S.A.) cedro (S. America)
60	ceiba	1. <i>Ceiba pentandra</i> Gaertn. 2. <i>Ceiba occidentalis</i> Burk.	Eastern hemisphere tropics generally, Tropical America	— —	1. <i>Eriodendron anfractuosum</i> DC. silk cotton (Africa, etc.) 2. ** Honduras cotton-wood' (B. Honduras)
61	celtis	<i>Celtis soyauxii</i> Engl.	West and East Africa	—	—
62	cherry, European	<i>Prunus avium</i> L.	Europe, including British Isles	—	gean (G.B.) mazzard (G.B.) wild cherry (G.B.)
63	cherry, American black	<i>Prunus serotina</i> Ehrh.	Canada and Eastern U.S.A.	—	American cherry (G.B.) cabinet cherry (U.S.A.)

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No. in Index	1		2		3		4		5	
	Standard name		Botanical species		Sources of supply		Remarks		Other names, commercial or botanical	
64	chestnut, American		<i>Castanea dentata</i> Borkh.		U.S.A.		—		—	
65	chestnut, sweet		<i>Castanea sativa</i> Mill.		Europe, including British Isles		—		<i>Castanea vesca</i> Gaertn. Spanish chestnut (G.B.)	
66	chickrassy		<i>Chukrasia tabularis</i> A. Juss.		Burma, India		—		chittagong wood (G.B.) yinma (Burma)	
67	chuglam, white		<i>Terminalia bialata</i> Steud.		India (Andaman Islands only)		The light-coloured wood is known as white chuglam, and the darker wood, which is usually figured, is marketed as a separate timber, Indian silver grey wood. See No. 226.		—	
68	coachwood		<i>Ceratopetalum apetalum</i> D. Don		Australia		—		** scented satinwood* (Australia)	
69	cocobolo		<i>Dalbergia retusa</i> Hemsl. and allied spp.		Central America		See Nos. 208 to 210.		—	
70	cocus		<i>Brya ebenus</i> DC.		Jamaica, Cuba		—		cocos (G.B.) ** 'brown ebony' (U.S.A.) granadillo (U.S.A.) ** 'green ebony' (U.S.A.) ** 'jamaica ebony' (U.S.A.)	

71	copalwood, Rhodesian	<i>Copaifera coleosperma</i> Benth.	Rhodesia	—	*' Rhodesian mahogany ' (S. Rhodesia)
72	cornel, Turkish	<i>Cornus</i> sp.	Asia Minor	—	stonewood (G.B.)
73	cottonwood, eastern	<i>Populus deltoides</i> var. <i>monilifera</i> Henry	Eastern Canada and U.S.A.	—	<i>Populus balsamifera</i> Auct. <i>Populus monilifera</i> Ait.
74	cottonwood, black	<i>Populus trichocarpa</i> Hook.	British Columbia	—	balm cottonwood (B.C.) balsam cottonwood (B.C.) western balm cotton- wood (B.C.)
75	courbaril	<i>Hymenaea courbaril</i> L.	West Indies and tropical America	—	West Indian locust (G.B.)
76	crabwood	<i>Carapa guianensis</i> Aubl.	West Indies, tropical South America	—	andiroba (G.B.) Empire andiroba (G.B.) *' Brazilian mahogany, (G.B.) *' British Guiana mahogany ' (G.B.) *' Demerara mahogany ' (G.B.) *' Para mahogany ' (G.B.)
77	dahoma	<i>Piptadenia africana</i> Hook. f.	West and East Africa	—	agboin (Nigeria) ekhimi (Nigeria)

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Index No.	1	2	3	4	5
	Standard name	Botanical species	Sources of supply	Remarks	Other names, commercial or botanical
78	danta	<i>Cistanthera papaverifera</i> A. Chev.	West Africa	—	epro (Gold Coast) otutu (Nigeria)
79	degame	<i>Calycophyllum candidissimum</i> DC.	Cuba, Central America, tropical South America	—	*' degame lancewood ' (G.B.) lemonwood (U.S.A.)
80	dhup	<i>Canarium euphyllum</i> Kurz	India (Andaman Islands only)	—	*' Indian white mahogany ' (G.B.) white dhup (India)
81	dogwood	<i>Cornus florida</i> L.	U.S.A.	—	cornel (G.B.) flowering dogwood (U.S.A.)
82	ebony, Ceylon	<i>Diospyros ebenum</i> Koen.	Ceylon, India	Other spp. of <i>Diospyros</i> from various parts of the tropics may furnish ebony. The names coromandel and calamander wood refer to variegated ebony with black and yellow striped markings. (See also No. 152.)	East Indian ebony (G.B.)
83	ebony, African	<i>Diospyros</i> spp., including : 1. <i>D. crassiflora</i> Hiern 2. <i>D. mespiliformis</i> Hochst. 3. <i>D. piscatorius</i> Gürke	West and East Africa		—

84	ebony, Macassar	<i>Diospyros macassar</i> A. Chev.	Celebes	—	<i>Diospyros utilis</i> Koord. & Val.
85	ekki	<i>Lophira alata</i> var. <i>procera</i> Burt Davy	West Africa	—	<i>Lophira procera</i> A. Chev. *red ironwood (B.W. Africa) bongossi (Cameroons) azobé (France and Fr. W. Africa) kaku (Gold Coast) eba (Nigeria)
86	elm, European	<i>Ulmus procera</i> Salisb.	British Isles	English, Dutch and wych elm are the principal homegrown species. Other species and hybrids are common in certain localities.	<i>Ulmus campestris</i> L. (in part) English elm (G.B.) red elm (G.B.) nave elm (G.B.)
87	elm, Dutch	<i>Ulmus hollandica</i> var. <i>major</i> Rehd.	British Isles		<i>Ulmus major</i> Sm. *cork bark elm (G.B.)
88	elm, Japanese	<i>Ulmus</i> spp.	Japan	—	—
89	elm, rock	<i>Ulmus thomasi</i> Sarg.	Eastern Canada and U.S.A.	—	<i>Ulmus racemosa</i> Thom. Canadian rock elm (G.B.) *white elm (Canada) cork elm (Canada and U.S.A.) cork bark elm (U.S.A.) hickory elm (U.S.A.)

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No. in index §	1 Standard name	2 Botanical species	3 Sources of supply	4 Remarks	5 Other names, commercial or botanical
90	elm, white	<i>Ulmus americana</i> L.	Eastern Canada and U.S.A.	—	American elm (in part) (G.B.) American elm (U.S.A.) orhamwood (Canada) *grey elm (U.S.A.) soft elm (U.S.A.) *swamp elm (U.S.A.) *water elm (U.S.A.)
91	elm, wych	<i>Ulmus glabra</i> Huds. (non Mill.)	British Isles	See Nos. 86 and 87.	<i>Ulmus montana</i> Stokes mountain elm (G.B.) Scotch elm (G.B.) *white elm (G.B.) *wych hazel (G.B.)
92	eng	<i>Dipterocarpus tuberculatus</i> Roxb.	Burma	A small proportion of <i>D. obtusifolius</i> Teijsm. is included in commercial consignments.	in (Burma)
93	freijo	<i>Cordia goeldiana</i> Hub.	Brazil	—	frei jorge (Brazil)

94	gaboon	<i>Aucoumea klaineana</i> Pierre	French Equatorial Africa, Spanish Guinea	—	*' Gaboon mahogany' (G.B.) Gaboon wood (G.B.) okoumé (France)
95	gamari	<i>Gmelina arborea</i> Roxb.	Burma, India	—	yemane (Burma) gumhar (India) shiwan (India)
96	gardenia	<i>Gardenia latifolia</i> Ait.	India	—	Indian boxwood (G.B.)
97	gedu nohor	<i>Entandrophragma</i> <i>angolense</i> C.DC. and its varieties	West and East Africa	Occasional logs of <i>Entandrophragma candollei</i> Harms (heavy sapele or omu, Nigeria ; kosipo, Cameroons) are included.	Other botanical names for varieties include : <i>Entandrophragma</i> <i>macrophyllum</i> Harms <i>E. septentrionale</i> A. Chev. <i>E. rederi</i> Harms ** brown mahogany, (G.B. and Nigeria) ** jebu mahogany, (G.B. and Nigeria) * budongo mahogany, (Uganda) gedu lohor (Nigeria) gedu noha (Nigeria) tiana (France and Ivory Coast) edinam (Gold Coast)
98	greenheart	<i>Ocotea rodiaei</i> Mez	British Guiana	—	<i>Nectandra rodiaei</i> Schomb.

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No. in index §	1	2	3	4	5
	Standard name	Botanical species	Sources of supply	Remarks	Other names, commercial or botanical
99	guarea	1. <i>Guarea cedrata</i> Pellegr. 2. <i>Guarea thompsonii</i> Sprague & Hutch.	West Africa	—	** Nigerian pearwood* (G.B.) ** Nigerian cedar* (Nigeria) ** Cedar mahogany* (Nigeria) obobo (G.B.) 1. white guarea (Nigeria) obobonfua (Nigeria) bossé (France and Ivory Coast) 2. black guarea (Nigeria) obobonekwi (Nigeria)
100	gum, American red	<i>Liquidambar styraciflua</i> L.	South Eastern U.S.A.	Special classifications of this timber are : hazel pine or sap gum (sapwood), satin walnut (heartwood).	** satin walnut* (heartwood) (G.B.) ** hazel pine* (sapwood) (G.B.) bilsted (U.S.A.) red gum (heartwood) (U.S.A.) *sap gum (sapwood) (U.S.A.) sweet gum (U.S.A.) yellow gum (U.S.A.)

101	gum, black	<i>Nyssa sylvatica</i> Marsh.	U.S.A.	Tupelo (<i>N. aquatica</i> L.) is sometimes included in commercial shipments. (See No. 241.)	—
102	gum, blue	<i>Eucalyptus globulus</i> Labill. and <i>E. bicostata</i> Maiden, Blakely & Simmonds	Australia	—	southern blue gum (Australia)
103	gum, spotted	<i>Eucalyptus maculata</i> Hook. and <i>E. citriodora</i> Hook.	Australia	—	—
104	gurjun	<i>Dipterocarpus</i> spp.	India (including Andaman Islands), Burma, Ceylon, Indo-China, Siam	Similar timbers from Borneo, Malaya, etc., and from the Philippines are sold as keruing (see No. 123) and apitong (see No. 13) respectively.	hollong (Assam) kanyin (Burma) hora (Ceylon) yang, mayang (Siam)
105	haldu	<i>Adina cordifolia</i> Benth. & Hook. ex Brandis	Burma, India	—	hnaw (Burma)

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No. in index §	1	2	3	4	5
	Standard name	Botanical species	Sources of supply	Remarks	Other names, commercial or botanical
106	hickory	1. <i>Carya glabra</i> Sweet 2. <i>Carya tomentosa</i> Nutt. 3. <i>Carya laciniata</i> Loud. 4. <i>Carya ovata</i> K. Koch	S.E. Canada and Eastern U.S.A.	The terms 'white' and 'red' refer to sapwood and heartwood respectively. The various botanical species are not differentiated in practice. Hickory exported from Canada usually includes species 1 and 4. Cf. No. 184.	1. <i>Carya porcina</i> Nutt. <i>Hicoria glabra</i> Brit. pignut hickory (U.S.A.) 2. <i>Carya alba</i> K. Koch <i>Hicoria alba</i> Brit. mockernut hickory (U.S.A.) 3. <i>Carya sulcata</i> Nutt. <i>Hicoria laciniata</i> Sarg. shellbark hickory (U.S.A.) 4. <i>Carya alba</i> Nutt. <i>Hicoria ovata</i> Brit. shagbark hickory (U.S.A.)
107	holly, European	<i>Ilex aquifolium</i> L.	British Isles	—	—
108	holly, American	<i>Ilex opaca</i> Ait.	Eastern U.S.A.	—	—
109	hop-hornbeam, American	<i>Ostrya virginiana</i> K. Koch	Canada and U.S.A.	—	eastern hop-hornbeam (U.S.A.) ironwood (Canada and U.S.A.)
110	hop-hornbeam, European	<i>Ostrya carpinifolia</i> Scop.	Southern Europe and Asia Minor	—	—

111	hornbeam	<i>Carpinus betulus</i> L.	Europe, including British Isles	—	—
112	horse-chestnut, European	<i>Aesculus hippocastanum</i> L.	British Isles	—	—
113	horse-chestnut, Japanese	<i>Aesculus turbinata</i> Bl.	Japan	—	—
114	idigbo	<i>Terminalia ivorensis</i> A. Chev.	West Africa	—	black afara (G. B. and Nigeria) framire (France and Ivory Coast) emri (Gold Coast)
115	imbuya	<i>Phoebe porosa</i> Mez	Brazil	—	** Brazilian walnut' (G. B. and U. S. A.) embuia (Brazil)
116	iroko	<i>Chlorophora excelsa</i> Benth. & Hook. f.	West and East Africa	—	** 'African teak' (G. B.) kambala (Belg. Congo and Fr. W. Africa) odum (Gold Coast) mvule (Uganda)

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	Standard name	Botanical species	Sources of supply	Remarks	Other names, commercial or botanical
117	ironbark	1. <i>Eucalyptus crebra</i> F. Muell. 2. <i>E. paniculata</i> Sm. 3. <i>E. siderophloia</i> Benth. 4. <i>E. sideroxylon</i> A. Cunn. 5. <i>E. fergusonii</i> R. T. Bak.	Australia	—	1. red ironbark, narrow-leaved ironbark (Australia) 2. grey ironbark (Australia) 3. red ironbark, broad-leaved ironbark (Australia) 4. red ironbark (Australia) 5. grey ironbark (Australia)
118	jarrah	<i>Eucalyptus marginata</i> Sm.	Western Australia	—	—
119	jelutong	<i>Dyera costulata</i> Hook. f.	Malaya	—	—
120	jequitiba, red	<i>Cariniana</i> sp.	Brazil	—	jequitiba rosa (Brazil)
121	kamassi	<i>Gonioma kamassi</i> E. Mey.	South Africa	—	*Cape boxwood (G.B.) kamassi boxwood (G.B.) Knysna boxwood (G.B.)

122	karri	<i>Eucalyptus diversicolor</i> F. Muell.	Western Australia	—	—
123	keruing	<i>Dipterocarpus</i> spp.	North Borneo, Sarawak, Malaya and East Indies	See Note to No. 104.	kruen (N. Borneo) keroeing (Netherlands Indies) keroeing (Netherlands Indies)
124	kingwood	<i>Dalbergia</i> sp. probably <i>D. cearensis</i> Ducke	Brazil	See Nos. 208 to 210 and 239-40.	violetta (U.S.A.) violet wood (U.S.A.)
125	kokko	<i>Albizia lebeck</i> Benth.	India (including Andaman Islands), Burma	—	koko (G.B.) **East Indian walnut* (G.B.) sirris (India)
126	laburnum	<i>Laburnum</i> <i>anagyroides</i> Medic.	British Isles	—	<i>Laburnum vulgare</i> Presl.
127	lancewood	<i>Oxandra lanceolata</i> Baill.	West Indies	—	asta (U.S.A.)
128	lauan, red	<i>Shorea</i> spp.	Philippines	Similar timber from North Borneo and from Malaya and Sarawak is sold as oba suluk (see No. 172), nemesu (see No. 164) and red meranti (see No. 153) respectively.	dark red lauan (G.B.) **Philippine mahogany, (G.B.) (Individual species of this group are known in the Philippines and in G.B. as red lauan proper, tanguile or ‘tanguile mahogany’, bataan or ‘bataan mahogany’, tiaong and mayapis. See also No. 129.)

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129	lauan, white	<i>Shorea</i> spp. <i>Parashorea</i> spp. <i>Pentacme</i> spp.	Philippines	White seraya from North Borneo (see No. 224) and lighter grades of red meranti from Malaya (see No. 153) resemble certain grades of white lauan.	lamao (G.B.) light red lauan (G.B.) * Philippine white mahogany, (G.B.) (Individual species of this group are known in the Philippines and in G.B. as white lauan proper, mindanao white lauan, bagtikan, almon, kalunti and mayapis. See also No. 128.)
130	laurel, Indian	1. <i>Terminalia alata</i> Roth 2. <i>Terminalia crenulata</i> Roth 3. <i>Terminalia coriacea</i> W. & A.	Burma, India	Formerly regarded as a single species, <i>Terminalia tomentosa</i> W. & A. There is some evidence that only <i>Terminalia crenulata</i> furnishes figured laurel.	taukkyan (Burma) asna (India) mutti (India) sain (India)

131	lignum vitae	<i>Guaiacum</i> spp., principally <i>G. officinale</i> L.	West Indies and tropical America	Verawood or Maracaibo lignum vitae from Venezuela is the product of <i>Bulnesia arborea</i> Engl.	The principal commercial varieties are : Cuban, Jamaican, San Domingan and Porto Rico (principally <i>G. officinale</i> L. or thin-sap lignum vitae) ; Bahamas (<i>G. sanctum</i> L. or thick-sap lignum vitae) ; Mexican and Nicaraguan (species uncertain).
132	lime	<i>Tilia vulgaris</i> Hayne	Europe, including the British Isles	—	<i>T. europaea</i> L. Hybrid of <i>T. cordata</i> Mill. and <i>T. platyphyllos</i> Scop. European lime (G.B.)
133	louro, red	<i>Ocotea rubra</i> Mez	The Guianas, Brazil	—	determa (B. Guiana) wana (Surinam) louro vermelho (Brazil)
134	lunumidella	<i>Melia composita</i> Willd.	Ceylon	—	** Ceylon cedar* (G.B.) ** Ceylon mahogany, (G.B.)
135	magnolia	<i>Magnolia</i> spp., principally : 1. <i>M. acuminata</i> L. 2. <i>M. grandiflora</i> L. 3. <i>M. virginiana</i> L.	U.S.A.	—	1. southern whitewood (G.B.) cucumber (U.S.A.) cucumber magnolia (U.S.A.) cucumbertree (U.S.A.) 2. southern whitewood (G.B.) southern magnolia (U.S.A.) 3. southern whitewood (G.B.) sweetbay (U.S.A.) sweetbay magnolia (U.S.A.)

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	Standard name	Botanical species	Sources of supply	Remarks	Other names, commercial or botanical
136	mahogany, African	1. <i>Khaya ivorensis</i> A. Chev.	West Africa	<i>Khaya ivorensis</i> furnishes most of the commercial West African mahogany.	1. Accra mahogany (G.B.) Axim mahogany (G.B.) Benin mahogany (chiefly) (G.B.) Cape Lopez mahogany (G.B.) Duala mahogany (in part) (G.B.) Gold Coast mahogany (G.B.) Grand Bassam mahogany (G.B.) Grand Lahou mahogany (G.B.) Half-Assinie mahogany (G.B.) Ivory Coast mahogany (G.B.) Lagos mahogany (chiefly) (G.B.) Libreville mahogany (G.B.) Mungo River mahogany (in part) (G.B.) Nigerian mahogany (G.B.) Ondo mahogany (in part) (G.B.) Sekondi mahogany (in part) (G.B.) Takoradi mahogany (in part) (G.B.) acajou d'Afrique (France) acajou de Bassam (France) khaya (U.S.A.) ngollon (French W. Africa)

136	(contd.)	2. <i>Khaya grandifoliola</i> C. DC. 3. <i>Khaya anthotheca</i> C. DC.	West Africa West and East Africa	— —	2. Benin, Lagos & Onco mahoganies (in part) (G.B.) khaya (U.S.A.) 3. Duala mahogany (in part) (G.B.) Mungo River mahogany (in part) (G.B.) Sassandra mahogany (G.B.) Uganda mahogany (G.B.) *white mahogany (B.W. Africa) mangona (Cameroons) kraia (France and Ivory Coast) acajou kraia (France and Ivory Coast) acajou blanc (France and Ivory Coast) munyama (Uganda) khaya (U.S.A.)
137	mahogany, Australian	<i>Dysoxylum fraserianum</i> Benth.	Australia	—	rose mahogany (Australia) ** rosewood, (Australia)
138	mahogany, Brazilian	1. ? <i>Swietenia macrophylla</i> King 2. ? <i>Swietenia krukovi</i> Gleas. & Pansh.	Brazil	The exact botanical identity of Brazilian mahogany is doubtful.	aguano (Brazil)

§ See footnote on page 9.

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No. in index	1		2		3		4		5	
	Standard name		Botanical species		Sources of supply		Remarks		Other names, commercial or botanical	
139	mahogany, Central American		<i>Swietenia macrophylla</i> King		Central America		<i>Swietenia humilis</i> Zucc. may furnish a small proportion of Mexican mahogany imported into the United Kingdom.		British Honduras mahogany (G.B.) Costa Rica mahogany (G.B.) Guatemalan mahogany (G.B.) Honduras mahogany (G.B.) Mexican mahogany (G.B.) Nicaraguan mahogany (G.B.) Panama mahogany (G.B.) Tabasco mahogany (G.B.) baywood (G.B.)	
140	mahogany, Cuban		<i>Swietenia mahagoni</i> Jacq.		West Indies		—		Jamaica mahogany (G.B.) Porto Rico mahogany (G.B.) San Domingo mahogany (G.B.) Spanish mahogany (G.B.) West Indian mahogany (G.B.)	
141	mahogany, Peruvian		1. ? <i>Swietenia macrophylla</i> King 2. ? <i>Swietenia tessmannii</i> Harms		Peru		The exact botanical identity of Peruvian mahogany is doubtful.		aguano (Peru) caoba (Peru)	

142	mahogany, Venezuelan	<i>Swietenia candollei</i> Pitt.	Venezuela	—	—
143	maidu	<i>Pterocarpus pedatus</i> Pierre	Indo-China	—	false amboyna (G.B.) mai dou (Indo-China)
144	makoré	<i>Minusops heckelii</i> Hutch. & Dalz.	West Africa	—	<i>Dumoria heckelii</i> A. Chev. ** cherry mahogany* (G.B.) ** African cherry* (U.S.A.) baku (Gold Coast)
145	mandio	<i>Qualea</i> spp.	The Guianas, Brazil	—	mandioqueira
146	mansonía	<i>Mansonia altissima</i> A. Chev.	West Africa	—	aprono (Gold Coast) ofun (Nigeria)
147	maple, field	<i>Acer campestre</i> L.	British Isles	—	—
148	maple, Norway	<i>Acer platanoides</i> L.	Europe, including British Isles	—	European maple (G.B.) Bosnian maple (G.B.)

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No. in index §	1 Standard name	2 Botanical species	3 Sources of supply	4 Remarks	5 Other names, commercial or botanical
149	maple, Pacific	<i>Acer macrophyllum</i> Pursh	Pacific coast of Canada and U.S.A.	Quilted maple is a strongly figured form.	bigleaf maple (U.S.A.) broadleaved maple (U.S.A.) Oregon maple (U.S.A.)
150	maple, rock	Principally <i>Acer saccharum</i> Marsh.	Canada and Eastern U.S.A.	Figured forms are known as fiddle-back maple, bird's-eye maple, blister maple, curly maple. Black maple (<i>A. nigrum</i> Michx.) is sometimes included.	<i>Acer saccharophorum</i> K. Koch hard maple (G.B.) sugar maple (Canada and U.S.A.) white maple (sapwood) (U.S.A.)
151	maple, soft	1. <i>Acer saccharinum</i> L. 2. <i>Acer rubrum</i> L.	Canada and Eastern U.S.A.	A small proportion of box-elder (<i>A. negundo</i> L.) is sometimes included.	1. <i>Acer dasycarpum</i> Ehrh. *river maple (Canada and U.S.A.) silver maple (Canada and U.S.A.) *swamp maple (Canada and U.S.A.) *water maple (Canada and U.S.A.) 2. red maple (Canada and U.S.A.)

152	marblewood, Andaman	<i>Diospyros marmorata</i> Park.	India (Andaman Islands only)	—	*zebrawood (G.B.)
153	meranti, red	<i>Shorea</i> spp., including : 1. <i>S. acuminata</i> Dyer 2. <i>S. ovalis</i> Bl. 3. <i>S. leprosula</i> Miq. 4. <i>S. dasyphylla</i> Foxw. 5. <i>S. parvifolia</i> Dyer, and other similar species	Malaya, Sarawak	See also Nos. 129 and 164.	meranti (Malaya) seraya (Malaya) perawan (Sarawak)
154	meranti, yellow	<i>Shorea</i> spp., including : <i>S. faguetiana</i> Heim and other similar species	Malaya, Sarawak	—	white meranti (G.B.)
155	merbau	<i>Intsia bakeri</i> Prain	Malaya, North Borneo, Sarawak and East Indies	—	<i>Afzelia palenbanica</i> Baker ** 'Borneo teak' (G.B.)
156	mersawa	<i>Anisoptera</i> spp., including <i>A. costata</i> Korth.	Malaya	—	—

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Index No.	1		2		3		4		5	
	Standard name		Botanical species		Sources of supply		Remarks		Other names, commercial or botanical	
157	mora		<i>Mora excelsa</i> Benth.		The Guianas, Trinidad		—		<i>Dimorphandra mora</i> Benth. & Hook. f.	
158	mugongo		<i>Ricinodendron rautanenii</i> Schinz		S. Tropical Africa, Rhodesia, Bechuana- land Protectorate		—		mgongo (Rhodesia) mungongo (Bechuana-land Protectorate)	
159	muhimbi		<i>Cynometra alexandri</i> C. H. Wright		Uganda		—		muhindi (Uganda)	
160	muninga		<i>Pterocarpus angolensis</i> DC.		Rhodesia, South Africa, Tanganyika, Angola, Mozam- bique		—		bloodwood (Rhodesia) kajjat (South Africa) kajatenhout (South Africa) maninga (Tanganyika) mninga (Tanganyika)	
161	myrtle, Pacific		<i>Umbellularia californica</i> Nutt.		U.S.A. (Pacific) coast		—		* Californian laurel * (U.S.A.) * myrtle (U.S.A.) Oregon myrtle (U.S.A.)	
162	myrtle, Tasmanian		<i>Nothofagus cunninghamii</i> Oerst.		Australia and Tasmania		See Nos. 28, 30 and 31.		myrtle beech (Australia) * myrtle (Australia) ** Tasmanian beech * (Australia)	

163	nargusta	<i>Terminalia amazonia</i> Exell	British Honduras and Trinidad	—	<i>Terminalia obovata</i> Steud. white olivier (Trinidad)
164	nemesu	<i>Shorea</i> spp., principally <i>S. pauciflora</i> King	Malaya	A similar timber from North Borneo is oba suluk (see No. 172. See also Nos. 128 and 153).	dark red meranti (G.B.)
165	† 'New Guinea walnut'	<i>Dracontomelum</i> spp.	New Guinea and neighbouring islands	See also No. 180.	** Pacific walnut ' (G.B.) ** Papuan walnut (G.B.) loup or lup (New Guinea)
166	oak, European	1. <i>Quercus robur</i> L. 2. <i>Quercus petraea</i> Liebl.	Europe, including British Isles	Hybrids between these two species are common. Oak imported from the various European countries (<i>e.g.</i> , Polish oak) may be either one or both of these two species.	1. <i>Quercus pedunculata</i> Ehrh. English oak (in part) (G.B.) pedunculate oak (G.B.) 2. <i>Quercus sessiliflora</i> Salisb. English oak (in part) (G.B.) sessile oak (G.B.) durmast oak (G.B.) 1. & 2. Austrian oak (G.B.) Polish oak (G.B.) Slavonian oak, etc. (G.B.)

§ See footnote on page 9. † See Foreword, page 5. * This name is misleading and its use should be discontinued.

No. in index	1 Standard name	2 Botanical species	3 Sources of supply	4 Remarks	5 Other names, commercial or botanical
167	oak, American red	<i>Quercus</i> spp., principally : 1. <i>Q. borealis</i> Michx. f. and <i>Q. borealis</i> var. <i>maxima</i> Sarg. 2. <i>Q. falcata</i> Michx. 3. <i>Q. falcata</i> var. <i>pagodaefolia</i> Ell. 4. <i>Q. shumardii</i> Buckl.	Eastern Canada and U.S.A.	—	1. <i>Q. rubra</i> Duroi (non L.) true red oak, northern red oak (U.S.A.) 2. <i>Q. rubra</i> L. southern red oak (U.S.A.) Spanish oak (U.S.A.) 3. <i>Q. rubra</i> var. <i>pagodaefolia</i> Ashe swamp red oak (U.S.A.) swamp Spanish oak (U.S.A.) 4. shumard oak (U.S.A.)
168	oak, American white	<i>Quercus</i> spp., principally : 1. <i>Q. alba</i> L. 2. <i>Q. montana</i> Willd. 3. <i>Q. lyrata</i> Walt. 4. <i>Q. prinus</i> L.	Eastern Canada and U.S.A.	—	1. true white oak (U.S.A.) 2. chestnut oak (U.S.A.) 3. overcup oak (U.S.A.) 4. swamp chestnut oak (U.S.A.)
169	oak, evergreen	<i>Quercus ilex</i> L.	Europe, including British Isles	—	holm oak (G.B.)

170	oak, Japanese	Principally <i>Quercus mongolica</i> var. <i>grosseserrata</i> Rehd. & Wils.	Japan	—	<i>Quercus crispula</i> Bl. <i>Q. grosseserrata</i> Bl.
171	oak, Turkey	<i>Quercus cerris</i> L.	Europe, including British Isles	—	—
172	oba suluk	<i>Shorea</i> spp., principally <i>S. pauciflora</i> King	North Borneo	A similar timber from Malaya is nemesu (see No. 164). See also No. 128.	** Borneo mahogany ' (in part) (G.B.) (see No. 223)
173	obeche	<i>Triplochiton scleroxylon</i> K. Schum.	West Africa	—	<i>Triplochiton johnsonii</i> C. H. Wright African whitewood (G.B.) ayous (France and Cameroons) samba (France and Ivory Coast) wawa (Gold Coast) arere (Nigeria)
174	odoko	<i>Scottellia coriacea</i> A. Chev.	West Africa	—	—
175	okan	<i>Cylicodiscus gabunensis</i> Harms	West Africa	—	denya (Gold Coast)
176	olive, East African	<i>Olea hochstetteri</i> Bak.	Kenya, Abyssinia	—	museragi (Kenya)

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No. in Index	1	2	3	4	5
	Standard name	Botanical species	Sources of supply	Remarks	Other names, commercial or botanical
177	opepe	<i>Sarcocephalus diderrichii</i> De Wild.	Tropical Africa	—	badi (France and Ivory Coast) bilinga (France and Fr. W. Africa) kusiaba (Gold Coast) kussia (Gold Coast)
178	padauk, Andaman	<i>Pterocarpus dalbergioides</i> Roxb.	India (Andaman Islands only)	—	padauk (G.B.) Andaman redwood (U.S.A.) ** East Indian mahogany' (U.S.A.) vermillion wood (U.S.A.)
179	padauk, Burma	<i>Pterocarpus macrocarpus</i> Kurz	Burma	—	—
180	paldao	<i>Dracontomelum dao</i> Merr. & Rolfe	Philippines	See also No. 165.	dao (Philippines)
181	palu	<i>Mimusops hexandra</i> Roxb.	Ceylon, India	—	—
182	partridge wood	<i>Caesalpinia granadillo</i> Pitt. and allied species	Venezuela	—	granadillo (G.B.) ** brown ebony' (G.B.) (U.S.A.)

183	pear	<i>Pyrus communis</i> L.	Europe, including British Isles	—	—
184	pecan	Principally 1. <i>Carya illinoensis</i> K. Koch 2. <i>Carya aquatica</i> Nutt.	U.S.A.	Cf. No. 106.	1. <i>Carya pecan</i> Engl. & Graebn. <i>Hicoria pecan</i> Brit. pecan hickory (U.S.A.) sweet pecan (U.S.A.) 2. <i>Hicoria aquatica</i> Brit. bitter pecan (U.S.A.) water hickory (U.S.A.)
185	peroba, red	<i>Aspidosperma</i> spp., principally <i>A. peroba</i> Fr. All. (<i>A. polyneuron</i> Muell. Arg.)	Brazil	Not to be confused with white peroba (see No. 186).	peroba rosa (Brazil)
186	peroba, white	<i>Paratecoma peroba</i> Kuhl.	Brazil	Not to be confused with red peroba (See No. 185).	ipé peroba (Brazil) peroba amarella (Brazil) peroba branca (Brazil) peroba de campos (Brazil)
187	persimmon	<i>Diospyros</i> <i>virginiana</i> L.	U.S.A.	—	—
188	plane, American	<i>Platanus</i> <i>occidentalis</i> L.	U.S.A.	—	buttonwood (U.S.A.) *‘sycamore’ (U.S.A.)

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No. in index	1	2	3	4	5
	Standard name	Botanical species	Sources of supply	Remarks	Other names, commercial or botanical
189	plane, London	<i>Platanus acerifolia</i> Willd.	British Isles	—	Hybrid of <i>Platanus orientalis</i> L. and <i>P. occidentalis</i> L. lacewood (G.B.)
190	poon	<i>Calophyllum tomentosum</i> Wight	India	—	—
191	poplar, black	<i>Populus nigra</i> L.	British Isles	See No. 192.	—
192	poplar, black Italian	<i>Populus canadensis</i> var. <i>serotina</i> Rehd.	British Isles	—	<i>Populus serotina</i> Hartig Hybrid of <i>P. nigra</i> L. and <i>P. deltoides</i> Marsh. black poplar (in part) (G.B.)
193	poplar, Canadian	1. <i>Populus tacamahacca</i> Mill. 2. <i>Populus grandidentata</i> Michx.	Canada and U.S.A.	—	1. <i>Populus balsamifera</i> Auct. *cottonwood (Canada) balm poplar (Canada) black poplar (Canada) balsam poplar (U.S.A.) tacamahac poplar (U.S.A.) 2. large-toothed aspen (Canada) bigtooth aspen (U.S.A.)

194	poplar, grey	<i>Populus canescens</i> Sm.	British Isles	—	—
195	poplar, white	<i>Populus alba</i> L.	British Isles	—	abale (G.B.)
196	prima vera	<i>Tabebuia donnell-smithii</i> Rose	Mexico and Central America	—	<i>Cybastax donnell-smithii</i> Seibert
197	purpleheart	<i>Peltogyne</i> spp.	Central America, tropical South America, West Indies	—	amaranth (U.S.A.)
198	pyinkado	<i>Xylia dolabriformis</i> Benth.	Burma	—	—
199	pyinna	<i>Lagerstroemia speciosa</i> Pers.	India, Burma	—	<i>Lagerstroemia flos-reginae</i> Retz. jarul (India)
200	pyinna, Andaman	<i>Lagerstroemia hypoleuca</i> Kurz	India (Andaman Islands only)	—	—
201	quaruba, red	<i>Vochysia</i> spp.	Brazil	—	quaruba branca (Brazil) quaruba vermelha (Brazil)

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Index No.	1		2		3		4		5	
	Standard name		Botanical species		Sources of supply		Remarks		Other names, commercial or botanical	
202	quebracho		<i>Schinopsis lorentzii</i> Engl. and <i>S. balansae</i> Engl.		Argentina and South Brazil		—		quebracho Colorado (Argentina)	
203	† Queensland maple		<i>Flindersia brayleyana</i> F. Muell. and <i>F. pimenteliana</i> F. Muell.		Australia		—		** Australian maple (G.B.) maple silkwood (Australia)	
204	† Queensland walnut		<i>Endiandra palmerstonii</i> C. T. White		Australia		—		** Australian walnut (G.B.) walnut bean (Australia) oriental wood (U.S.A.)	
205	quipo		<i>Cavanillesia platanifolia</i> H. B. & K.		Central and South America		—		hamati (Panama) macondo (Colombia)	
206	† Rhodesian teak		<i>Baikiaea plurijuga</i> Harms		Rhodesia		—		Zambesi redwood (G.B. and Rhodesia) umgusi (Rhodesia)	
207	robinia		<i>Robinia pseudoacacia</i> L.		Europe, including British Isles, U.S.A.		—		** acacia (G.B.) false acacia (G.B.) black locust (U.S.A.)	

208	rosewood, Brazilian	<i>Dalbergia</i> spp., principally <i>D. nigra</i> Fr. All.	Brazil	For other commercial species of <i>Dalbergia</i> see index. The name palissander refers to rosewoods (<i>Dalbergia</i> spp.) generally.	Bahia rosewood (G.B.) Rio rosewood (G.B.) jacaranda (G.B.)
209	rosewood, Honduras	<i>Dalbergia</i> <i>stevensonii</i> Standl.	British Honduras		—
210	rosewood, Indian	<i>Dalbergia latifolia</i> Roxb.	India, Java and East Indies		Bombay blackwood (G.B.) East Indian rosewood (G.B.)
211	sabicu	<i>Lysiloma latisiliqua</i> Benth.	West Indies, chiefly Cuba	—	<i>Lysiloma sabicu</i> Benth.
212	sandalwood	<i>Santalum album</i> L.	India	—	—
213	santa maria	<i>Calophyllum</i> <i>brasiliense</i> Camb. and its varieties.	West Indies, Central America, Tropical South America	—	jacareuba (Brazil)

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No. in Index §	1 Standard name	2 Botanical species	3 Sources of supply	4 Remarks	5 Other names, commercial or botanical
214	sapele	<i>Entandrophragma cylindricum</i> Sprague	West and East Africa	Other species of <i>Entandrophragma</i> , including <i>E. utile</i> Sprague (assié, Ivory Coast ; sipo, Cameroons) are sometimes shipped as sapele. See also No. 97.	*‘ sapele mahogany ’ (G.B.) *‘ scented mahogany ’ (G.B.) aboudikro (France and Ivory Coast) acajou aboudikro (France and Ivory Coast) sapelli (France and Cameroons) acajou sapelli (France and Cameroons) *‘ cedar ’ (Gold Coast)
215	sapodilla	<i>Achras sapota</i> L.	Central America	—	<i>Manilkara zapotilla</i> Gilly
216	satinay, red	<i>Syncarpia hillii</i> F. M. Bail.	Australia	—	satinay (Australia)
217	satiné	<i>Brosimum paraense</i> Hub.	Tropical America	—	<i>Ferolia guianensis</i> Aubl. satinee (G.B.) muirapiranga (Brazil) bois satiné (Fr.) satiné rubané (Fr.)
218	satinwood, East Indian	<i>Chloroxylon swietenia</i> DC.	Ceylon, India	—	flowered satinwood (G.B.)

219	satinwood, West Indian	<i>Fagara flava</i> Krug & Urb. and possibly other species	West Indies	—	<i>Zanthoxylum flavum</i> Vahl. Jamaica satinwood (G.B.) San Domingan satinwood (U.S.A.)
220	selangan batu	<i>Hopea</i> spp., <i>Shorea seminis</i> v. Sloot. and other similar species of <i>Shorea</i>	North Borneo	—	—
221	sen	<i>Acanthopanax</i> <i>ricinifolius</i> Seem.	Japan	Sometimes confused with Japanese ash (No. 17) which it closely resembles.	<i>Kolopanax ricinifolius</i> Miq.
222	sepetir	<i>Sindora</i> spp., principally <i>S. coriacea</i> Prain	North Borneo, Malaya, Sarawak	—	petir (Sarawak)
223	seraya, red	<i>Shorea</i> spp., including : <i>S. macroptera</i> Dyer <i>S. leprosula</i> Miq. <i>S. parvifolia</i> Dyer and other similar species	North Borneo	Similar timber from Malaya and Sarawak and from the Philippines is sold as red meranti (see No. 153) and as red lauan (see No. 128) respectively.	** Borneo red cedar ' (G.B.) *Borneo redwood (G.B.) ** Borneo mahogany, (in part) (G.B.) (see No. 172) seraya merah (North Borneo)

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No. in index	1	2		3	4	5
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224	seraya, white	Principally <i>Parashorea malaanonan</i> Merr. and <i>P. malaanonan</i> var. <i>tomentella</i> Sym.		North Borneo	See No. 129.	*' Borneo white cedar ' (G.B.) *Borneo whitewood (G.B.) seraya puteh (North Borneo)
225	†' silky oak '	<i>Cardwellia sublimis</i> F. Muell.		Australia	—	*' northern silky oak ' (Australia)
226	silver grey wood, Indian	<i>Terminalia bialata</i> Steud.		India (Andaman Islands only)	The name Indian silver grey wood refers only to the darker heartwood of this species. See No. 67.	—
227	siris, yellow	<i>Albizia xanthoxylon</i> White & Francis		Australia	—	—

228	snakewood	<i>Piratinera guianensis</i> Aubl. and other <i>Piratinera</i> spp.	Central America and Tropical South America	—	letterwood (G.B.)
229	stringybark, yellow	<i>Eucalyptus</i> <i>acmenioides</i> Schau. and <i>E. carnea</i> R. T. Baker	Australia	—	*' white mahogany', (Australia)
230	sycamore	<i>Acer pseudoplatanus</i> L.	British Isles	Harewood is sycamore or maple artificially dyed grey. Sycamore in U.S.A. refers to <i>Platanus occidentalis</i> L. (see No. 188).	*' plane' (G.B.) ' sycamore plane', (G.B.) great maple (G.B.)
231	tallowwood	<i>Eucalyptus microcorys</i> F. Muell.	Australia	—	—
232	† Tasmanian oak'	1. <i>Eucalyptus</i> <i>gigantea</i> Hook. f. 2. <i>E. obliqua</i> L'Hérit. 3. <i>E. regnans</i> F. Muell.	Australia	—	1. *' alpine ash,' *' red ash,' (Australia) 2. obliqua, messmate stringybark (Australia) 3. *' Victorian oak,' *' mountain ash,' (Australia)

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	Standard name		Botanical species		Sources of supply		Remarks		Other names, commercial or botanical	
233	tawa		<i>Beilschmiedia tawa</i> Benth. & Hook. f.		New Zealand		—		—	
234	teak		<i>Tectona grandis</i> L. f.		Burma, India, Indo- China, Java, Siam		This is the only true teak.		—	
235	thingadu		<i>Parashorea stellata</i> Kurz		Burma		—		Tavoy wood (Burma)	
236	thingan		<i>Hopea odorata</i> Roxb.		India, Burma		—		—	
237	thitka		<i>Pentace burmanica</i> Kurz		Burma		—		** Burma mahogany, (G.B.)	
238	toon		<i>Cedrela toona</i> Roxb.		Burma, India		See Nos. 58 and 59.		'Burma cedar' (G.B.) 'Moulmein cedar' (G.B.)	

239	tulip wood, Brazilian	<i>Dalbergia</i> (species uncertain)	Brazil	} Not to be confused with the wood of the tulip tree (see No. 9). See also Nos. 208-210.	pinkwood (U.S.A.)
240	tulip wood, Burma	<i>Dalbergia oliveri</i> Gamb.	Burma		tamalan (Burma)
241	tupelo	<i>Nyssa aquatica</i> L.	Southern U.S.A.	Black gum (<i>N. sylvatica</i> Marsh.) and other species of <i>Nyssa</i> are sometimes included in commercial consignments of this species (see No. 101).	** bay poplar ' (U.S.A.) tupelo gum (U.S.A.)
242	turpentine	<i>Syncarpia laurifolia</i> Ten.	Australia	—	luster (Australia)
243	walnut, European	<i>Juglans regia</i> L.	Europe, including British Isles, India	—	Black Sea walnut (G.B.) Circassian walnut (G.B.) English walnut (G.B.) French walnut (G.B.) Italian walnut (G.B.)

§ See footnote on page 9.

* This name is misleading and its use should be discontinued.

No. in index	1	2	3	4	5
	Standard name	Botanical species	Sources of supply	Remarks	Other names, commercial or botanical
244	walnut, American black	<i>Juglans nigra</i> L.	Eastern U.S.A.	Small quantities also occur in Eastern Canada.	American walnut (G.B.) black walnut (G.B.)
245	walnut, Japanese	<i>Juglans sieboldiana</i> Maxim.	Japan	—	—
246	wandoo	<i>Eucalyptus redunca</i> var. <i>elata</i> Benth.	Western Australia	—	<i>Eucalyptus wandoo</i> Blakely
247	whitebeam	<i>Sorbus aria</i> Crantz	Europe, including British Isles	—	—
248	willow, black	<i>Salix nigra</i> Marsh.	U.S.A.	—	—
249	willow, cricket bat	<i>Salix alba</i> var. <i>caerulea</i> Sm.	British Isles	—	<i>Salix caerulea</i> Sm. close-bark willow (G.B.)
250	willow, white	1. <i>Salix alba</i> L. 2. <i>S. viridis</i> Fr.	British Isles	—	2. Hybrid of <i>S. alba</i> L. and <i>S. fragilis</i> L.

251	yeneri	<i>Vochysia hondurensis</i> Sprague	British Honduras	—	—
252	yon	<i>Anogeissus acuminata</i> Wall.	Burma, India	—	—
253	zebrano	? <i>Cynometra</i> sp. ? <i>Brachystegia</i> sp.	French West Africa	—	*African zebrawood (G.B.) zingana (France)
254	zebrawood	<i>Astronium fraxinifolium</i> Schott	Brazil	Not to be confused with Nos. 75, 152 and 253.	*'courbaril' (G.B.) locust wood (G.B.) gonçalo alves (U.S.A.) *kingwood' (U.S.A.) *tigerwood (U.S.A.)

§ See footnote on page 9.

* This name is misleading and its use should be discontinued.

B.S. 589. BRITISH STANDARD NOMENCLATURE OF SOFTWOODS

The softwoods listed under this standard nomenclature are from trees belonging to the botanical group *Gymnosperms*. Commercial timbers of this group are practically confined to the class *Coniferae* or Conifers.

No. in index	1	2	3	4	5
	Standard name	Botanical species	Sources of supply	Remarks	Other names, commercial or botanical
501	'bunya pine'	<i>Araucaria bidwillii</i> Hook.	Australia	—	—
502	cedar	1. <i>Cedrus atlantica</i> Manetti 2. <i>C. deodara</i> Loud. 3. <i>C. libani</i> Loud.	British Isles (<i>C. deodara</i> is an important timber in N. India).	3. <i>C. libani</i> is the original cedar.	1. Atlantic cedar (G.B.) Atlas cedar (G.B.) deodar (India and G.B.) 3. <i>C. libanotica</i> Link cedar of Lebanon (G.B.)
503	cedar, African pencil	<i>Juniperus procera</i> Hochst.	East Africa	The name cedar originally referred to the cedar of Lebanon and the allied Atlas cedar and	—
504	cedar, incense	<i>Libocedrus decurrens</i> Torr.	Oregon & California		—

505	cedar, Port Orford	<i>Chamaecyparis lawsoniana</i> Parl.	Oregon & California	deodar (species of <i>Cedrus</i> , see No. 502). It has now become firmly attached to several different kinds of timber, both softwood and hardwood, possessed of a natural fragrance which recalls that of the true cedar. (See also B.S. 881, 'Nomenclature of hardwoods' Nos. 58, 59 and 238).	<i>Cupressus lawsoniana</i> Murray Lawson's cypress (G.B.)
506	cedar, Virginian pencil	<i>Juniperus virginiana</i> L. and <i>J. lucayana</i> Brit.	U.S.A.		pencil cedar (G.B.) eastern red cedar (U.S.A.)
507	cedar, southern white	<i>Chamaecyparis thyoides</i> B.S.P.	U.S.A.		<i>Cupressus thyoides</i> L. Atlantic white cedar (U.S.A.)
508	cedar, western red	<i>Thuja plicata</i> D. Don	British Columbia & U.S.A.		British Columbia red cedar (G.B.) red cedar (Canada) giant arborvitae (U.S.A.)
509	cedar, white	<i>Thuja occidentalis</i> L.	Eastern North America		eastern arborvitae (U.S.A.) northern white cedar (U.S.A.) eastern white cedar (Canada)
510	cedar, yellow	<i>Chamaecyparis nootkatensis</i> Spach	Pacific Coast region of North America		<i>Cupressus nootkatensis</i> Lamb. *yellow cypress (Canada) Alaska cedar (U.S.A.) Nootka false cypress (U.S.A.)
511	'celery top pine'	<i>Phyllocladus rhomboidalis</i> Rich.	Australia	—	—

§ The Standard Name and *not* the Index number should be quoted, as the numbers will be liable to alteration with the insertion of new items in succeeding editions of the Nomenclature.

* This name is misleading and its use should be discontinued.

No. in index	1	2	3	4	5
	Standard name	Botanical species	Sources of supply	Remarks	Other names, commercial or botanical
512	chil	<i>Pinus longifolia</i> Roxb.	Himalayan region of N. India	—	chir (India)
513	'cypress, southern'	<i>Taxodium distichum</i> Rich.	South-Eastern U.S.A.	The name cypress is properly applied to species of <i>Cupressus</i> and <i>Chamaecyparis</i> . (See Nos. 505, 507 and 510.) Timber from the coastal swamps is commonly known as tidewater red cypress or black cypress, from the dark colour of the heartwood, as distinct from the white or yellow cypress of the inland districts.	Louisiana cypress (U.S.A.) swamp cypress (U.S.A.)
514	Douglas fir	<i>Pseudotsuga taxifolia</i> Brit.	British Columbia, Western U.S.A., British Isles	—	<i>Pseudotsuga douglasii</i> Carr. British Columbia pine (G.B.) Columbian pine (G.B.) Oregon pine (G.B. and U.S.A.)

515	fir, alpine	<i>Abies lasiocarpa</i> Nutt.	British Columbia, Alberta and Western U.S.A.	—	—
516	fir, amabilis	<i>Abies amabilis</i> Forbes	Western Canada & Western U.S.A.	—	Pacific silver fir (U.S.A.) * 'larch' (B.C. and U.S.A.)
517	fir, balsam	<i>Abies balsamea</i> Mill.	Canada, Newfound- land and Northern U.S.A.	(See No. 561).	balsam (U.S.A.)
518	fir, grand	<i>Abies grandis</i> Lindl.	British Columbia and Western U.S.A.	—	lowland fir (Canada) * white fir (U.S.A.) * 'larch' (B.C.) western balsam fir (U.S.A.)
519	fir, Himalayan silver	<i>Abies pindrow</i> Spach	Himalayan region of N. India	—	—
520	fir, noble	<i>Abies nobilis</i> Lindl.	Western U.S.A.	—	<i>Abies procera</i> Rehder ** Oregon larch (U.S.A.) ** 'larch' (U.S.A.)
521	fir, silver	<i>Abies alba</i> Mill.	Europe, including British Isles	Sometimes included in shipments of whitewood from Central and Southern Europe. (See No. 568.)	<i>Abies pectinata</i> DC. European silver pine Tanne (Ger.)
522	hemlock, eastern	<i>Tsuga canadensis</i> Carr.	Eastern Canada and Eastern U.S.A.	—	** hemlock spruce, (U.S.A.) white hemlock

§ See footnote to p. 59. * This name is misleading and its use should be discontinued.

§ index No. in	1	2	3	4	5
	Standard name	Botanical species	Sources of supply	Remarks	Other names, commercial or botanical.
523	hemlock, western	<i>Tsuga heterophylla</i> Sarg.	British Columbia, Alaska and Western U.S.A.	Grown in British Isles.	<i>Tsuga albertiana</i> Sénécl. British Columbia hemlock (Canada) Alaska pine (Canada) Pacific hemlock (U.S.A.)
524	'hoop pine'	<i>Araucaria cunninghamii</i> Ait.	Australia and New Guinea	—	—
525	'huon pine'	<i>Dacrydium franklinii</i> Hook. f.	Australia	—	—
526	kauri, Fijian	<i>Agathis vitiensis</i> Benth. & Hook.	Fiji	—	Fijian kauri pine (G.B.)
527	kauri, New Zealand	<i>Agathis australis</i> Salisb.	New Zealand	—	kauri pine (G.B.)
528	kauri, Queensland	1. <i>Agathis robusta</i> Masters 2. <i>A. palmerstonii</i> F. Muell. 3. <i>A. microstachya</i> Bail. f. and White	Australia	<i>A. palmerstonii</i> is now the most important commercial species.	* Queensland kauri pine' (G.B.) 1. South Queensland kauri (Australia) 2. & 3. North Queensland kauri (Australia)

529	kawaka	<i>Libocedrus bidwillii</i> Hook. f.	New Zealand	Of little more than local importance. Supplies strictly limited.	pahautea (New Zealand) kaikawaka (New Zealand)
530	'King William pine'	<i>Athrotaxis selaginoides</i> D. Don	Australia	—	—
531	larch, European	<i>Larix decidua</i> Mill.	Europe, including British Isles	Shipments of larch from the Archangel district may include some <i>Larix sibirica</i> Ledeb. (See No. 533). The Dunkeld larch (<i>L. eurolepis</i> Henry) is a hybrid between the European larch and the Japanese larch.	<i>Larix europaea</i> DC. larch (G.B.)
532	larch, Japanese	<i>Larix leptolepis</i> Gord.	Japan and British Isles		<i>Larix kaempferi</i> Sarg.
533	larch, Siberian	<i>Larix sibirica</i> Ledeb.	Western Siberia and North East Russia	Shipped from Kara Sea ports and the Archangel district (See No. 531).	1. <i>Larix dahurica</i> Turcz.
534	larch, tamarack	<i>Larix laricina</i> K. Koch	Canada and U.S.A.		Eastern Canadian larch (G.B.) tamarack (Canada and U.S.A.) eastern larch (U.S.A.)

§ See footnote to p. 59. * This name is misleading and its use should be discontinued.

No. in index	1	2	3	4	5
	Standard name	Botanical species	Sources of supply	Remarks	Other names, commercial or botanical
535	larch, western	<i>Larix occidentalis</i> Nutt.	British Columbia and Western U.S.A.	—	larch (U.S.A.)
536	matai	<i>Podocarpus spicatus</i> R. Br.	New Zealand	—	mai (New Zealand)
537	miro	<i>Podocarpus ferrugineus</i> D. Don	New Zealand	—	—
538	'New Zealand silver pine'	<i>Dacrydium colensoi</i> Hook.	New Zealand	In New Zealand sometimes called 'yellow pine,' and under that name is associated by local trade custom with two other lesser species, <i>Dacrydium intermedium</i> T. Kirk and <i>Dacrydium biforme</i> Pilg., which are found in the market.	'Westland pine' (New Zealand)
539	'New Zealand white pine'	<i>Podocarpus dacrydioides</i> A. Rich.	New Zealand	—	kahikatea (New Zealand)

540	'Parana pine'	<i>Araucaria angustifolia</i> O. Ktze.	Argentina and S. Brazil	—	<i>A. brasiliana</i> A. Rich. * Brazilian pine (U.S.A.)
541	pine, Austrian	<i>Pinus nigra</i> var. <i>austriaca</i> Asch. & Graebn.	Southern Europe and British Isles	—	<i>Pinus laricio</i> var. <i>nigericans</i> Parl. Bosnian pitch pine (G.B.)
542	pine, blue	<i>Pinus wallichiana</i> A. B. Jackson	Himalayan region of N. India	—	<i>Pinus excelsa</i> Wall. <i>Pinus griffithii</i> McLelland
543	pine, British Honduras pitch	<i>Pinus caribaea</i> Morelet	Central America, Cuba, and South- Eastern U.S.A.	A small proportion of this timber is sometimes included in shipments of pitch pine from U.S.A. (See No. 547).	Cuban pine (U.S.A.) Nicaraguan pine (G.B.) slash pine (U.S.A.) * southern pine (U.S.A.) * southern yellow pine (U.S.A.)
544	pine, Corsican	<i>Pinus nigra</i> var. <i>calabrica</i> Schneid.	Southern Europe and British Isles	—	<i>Pinus laricio</i> Poir.
545	pine, jack	<i>Pinus banksiana</i> Lamb.	Eastern and Central Canada and Northern U.S.A.	—	princess pine (Canada)

§ See footnote to p. 59. * This name is misleading and its use should be discontinued.

No. in index	1		2		3		4		5	
	Standard name		Botanical species		Sources of supply		Remarks		Other names, commercial or botanical	
546	pine, lodgepole		<i>Pinus contorta</i> var. <i>latifolia</i> Engelm.		British Columbia, Alberta and Western U.S.A.		—		<i>Pinus contorta</i> var. <i>murrayana</i> Engelm.	
547	pine, longleaf pitch		<i>Pinus</i> spp., principally 1. <i>P. palustris</i> Mill.		Southern U.S.A.		Pitch pine is known in the U.S.A. under the collective term Southern yellow pine or Southern pine, which includes principally longleaf, shortleaf and loblolly pines growing in the southern states from Virginia to Texas. When converted, these species cannot always be distinguished one from another. These pines have overlapping ranges of density and other characteristics and the general practice of saw millers is to ignore the botanical differences and to sort together the heavier material of slow to medium rate of growth as longleaf, and the wider ringed, less dense material as shortleaf. There can be no practical objection to this practice, as there are no fundamental differences among the pitch pines which make all the timber of one species preferable to all the timber of another for any given purpose.		southern yellow pine (U.S.A.) southern pine (U.S.A.) 1. Florida longleaf pine (U.S.A.) Florida yellow pine (U.S.A.) Georgia yellow pine (U.S.A.) long-leaved yellow pine (U.S.A.)	
			2. <i>P. echinata</i> Mill.						2. shortleaf pitch pine (G.B.) shortleaf pine (U.S.A.) shortleaf yellow pine (U.S.A.) North Carolina pine (U.S.A.)	

3. <i>P. taeda</i> L.				<i>Note</i>.—The term 'rosemary' is sometimes applied to the coarse, fastgrown timber of these species. <i>Caution</i>.—In the U.S.A. the name 'pitch pine' is given only to <i>Pinus rigida</i> Mill., yielding an inferior timber. A small proportion of <i>Pinus caribaea</i> (No. 543) may be included in shipments of pitch pine from the U.S.A.	3. loblolly pitch pine (G.B.) shortleaf pitch pine (G.B.) loblolly pine (U.S.A.) shortleaf pine (U.S.A.) North Carolina pine (U.S.A.) Virginia pine (U.S.A.)
548	pine, maritime	<i>Pinus pinaster</i> Ait.	Southern and South-Western Europe	—	—
549	pine, ponderosa	<i>Pinus ponderosa</i> Dougl.	British Columbia and Western U.S.A.	Timber of Jeffrey pine (<i>P. jeffreyi</i> A. Murr.) is usually marketed with this species.	pondosa pine (Canada and U.S.A.) western yellow pine (U.S.A.) B.C. soft pine (Canada) California white pine (U.S.A.)
550	pine, red	<i>Pinus resinosa</i> Ait.	Eastern Canada and Northern U.S.A.	—	Canadian red pine (G.B.) Norway pine (U.S.A.)
551	pine, Scots	<i>Pinus sylvestris</i> L.	British Isles	Timber of this species imported from the Continent is called redwood. See No. 558.	Scots fir (G.B.)

§ See footnote on p. 59.

Index No.	1	2	3	4	5
	Standard name	Botanical species	Sources of supply	Remarks	Other names, commercial or botanical
552	pine, shortleaf pitch	See No. 547, 2.	—	—	—
553	pine, Siberian	<i>Pinus cembra</i> var. <i>sibirica</i> Loud. and <i>Pinus koraiensis</i> Sieb. and Zucc.	Siberia & Man- chukuo	Shipped from Vladivostok.	Siberian yellow pine (G.B.) Korean pine (G.B.) Manchurian pine (G.B.)
554	pine, sugar	<i>Pinus lambertiana</i> Dougl.	Oregon & California	—	California sugar pine (U.S.A.) *soft pine (G.B.)
555	pine, western white	<i>Pinus monticola</i> Dougl.	Western Canada and Western U.S.A.	—	Idaho white pine (U.S.A.) *soft pine (G.B.)
556	pine, yellow	<i>Pinus strobus</i> L.	Eastern Canada and Eastern U.S.A.	Known universally in Canada and U.S.A. as 'white pine.'	white pine (Canada and U.S.A.) Quebec yellow pine (G.B.) Quebec pine (G.B.) northern pine (U.S.A.) northern white pine (U.S.A.) *soft pine (G.B.) Weymouth pine (G.B.) eastern white pine (Canada and U.S.A.)

557	podo	1. <i>Podocarpus gracilior</i> Pilg. 2. <i>P. milanjanus</i> Rendle 3. <i>P. usambarensis</i> Pilg.	Kenya, Tanganyika, and Uganda	—	yellowwood (East Africa)
558	redwood	<i>Pinus sylvestris</i> L.	Northern Europe and Western Siberia	This species, when grown in the British Isles, is called 'Scots pine.' (See No. 551.) Not to be confused with sequoia or Californian redwood, No. 560.	red deal (red) (G.B.) yellow deal (yellow) (G.B.) Baltic redwood (G.B.) Archangel fir (G.B.) Danzig fir (G.B.) Menel fir (G.B.) Norway fir (G.B.) Petchora fir (G.B.) Polish fir (G.B.) Riga fir (G.B.) Stettin fir (G.B.) northern pine (G.B.) Swedish pine (G.B.) Siberian redwood (G.B.) Siberian yellow (G.B.) Siberian yellow deal (G.B.) Kiefer (Ger.)
559	rimu	<i>Dacrydium cupressinum</i> Soland.	New Zealand	—	*red pine (New Zealand)
560	sequoia	<i>Sequoia sempervirens</i> Endl.	U.S.A.	—	Californian redwood (G.B. and U.S.A.) *redwood (U.S.A.)

§ See footnote to p. 59. * This name is misleading and its use should be discontinued.

No. in index §	1	2	3	4	5
	Standard name	Botanical species	Sources of supply	Remarks	Other names, commercial or botanical
561	spruce, Canadian	<i>Picea</i> spp., principally <i>P. glauca</i> Voss	Eastern & Northern Canada, & Eastern U.S.A.	Shipments may include red spruce, <i>Picea rubra</i> Link, and black spruce, <i>Picea mariana</i> B.S.P. Balsam fir (see No. 517) is sometimes included in shipments for the United Kingdom. Shipments are frequently distinguished by the port of shipment, see Column 5.	white spruce (Canada and U.S.A.) New Brunswick spruce (G.B.) Quebec spruce (G.B.) St. John spruce (G.B.) Maritime spruce (G.B.)
562	spruce, Engelmann	<i>Picea engelmannii</i> Engelm.	Alberta, British Columbia and Western U.S.A.	—	mountain spruce (Canada)

563	spruce, European	<i>Picea abies</i> Karst.	British Isles	Timber of this species imported from the Continent is called whitewood. (See No. 568.)	<i>Picea excelsa</i> Link common spruce (G.B.) Norway spruce (G.B.) spruce fir (G.B.) white fir (G.B.)
564	spruce, Himalayan	<i>Picea smithiana</i> Boissier	Himalayan region of N. India	—	<i>Picea morinda</i> Link
565	spruce, Sitka	<i>Picea sitchensis</i> Carr.	Western Canada and Western U.S.A.	Grown in British Isles.	silver spruce (G.B. and U.S.A.) tideland spruce (U.S.A.) western spruce (U.S.A.)
566	thuya	<i>Tetraclinis articulata</i> Mast.	North Africa and Malta	Chiefly known to commerce in the form of burrs. Not to be confused with species of the botanical genus <i>Thuja</i> , e.g. Nos. 508 and 509.	—
567	totara	<i>Podocarpus totara</i> D. Don and <i>P. hallii</i> T. Kirk	New Zealand	—	—

§ See footnote to p. 59.

No. in index §	1 Standard name	2 Botanical species	3 Sources of supply	4 Remarks	5 Other names, commercial or botanical
568	whitewood	<i>Picea abies</i> Karst.	Northern and Central Europe	This species when grown in the British Isles is called spruce. (See No. 563.) Shipments of whitewood from Central and Southern Europe sometimes include a proportion of silver fir. (See No. 521.) <i>Caution.</i> Not to be confused with the hardwood, 'American whitewood.'	<i>Picea excelsa</i> Link white (G.B.) white deal (in part) (G.B.) Baltic whitewood (G.B.) northern whitewood (G.B.) Fichte (Ger.) omorika (Jugo-Slavia)
569	yellowwood, British Honduras	<i>Podocarpus guatemalensis</i> Standl.	British Honduras	—	* 'cypress,' (B. Honduras)
570	yew	<i>Taxus baccata</i> L.	British Isles	—	common yew (G.B.) European yew (G.B.)

§ See footnote to p. 59. * This name is misleading and its use should be discontinued.

APPENDIX I

ADDITIONAL IMPORTED TIMBERS FOR WHICH STANDARD NAMES HAVE NOT YET BEEN SELECTED

The following timbers have recently been imported into the United Kingdom on an experimental scale and are included here for reference. Standard names for these timbers have not yet been selected.

Fitzroya cupressoides (alerce) is a softwood; the others are hardwoods.

Botanical species	Sources of supply	Other names, commercial or botanical
<i>Aspidosperma desmanthum</i> Benth.	Brazil	araracanga (Brazil) aracan (G.B.)
<i>Erythroxylum mannii</i> Oliv.	West Africa	landa (Cameroons) bimini (S. Leone) dabé (Ivory Coast)
<i>Fitzroya cupressoides</i> F. M. Johnston	Chile	<i>F. patagonica</i> Hook. f. alerce (Chile and G.B.)
<i>Goupia glabra</i> Aubl.	Brazil, Columbia, The Guianas	cupiuba (Brazil) kabukalli (B. Guiana) kopie (Dutch Guiana) goupi (Fr. Guiana)
<i>Poga oleosa</i> Pierre	West Africa	inoi nut (Nigeria) ovoga (Gaboon)
<i>Pycnanthus kombo</i> Warb.	West Africa	akomu (Nigeria) otie (Gold Coast) ilomba (Cameroons and Ivory Coast) walele (Ivory Coast)
<i>Symphonia gabonensis</i> Pierre and S. <i>gabonensis</i> var. <i>macrantha</i> Hutch. and J. M. Dalz.	West Africa	osol (Gaboon)

APPENDIX II

AUTHORS OF BOTANICAL NAMES, WITH ABBREVIATIONS
WHERE USED

NOTE. For convenience, it is customary for the names of authors of botanical names to be quoted in an abbreviated form unless the personal name is a short one, e.g., Koch, Link. The following is a list of such abbreviations used in the preceding pages, together with the authors' names in full :

Where no dates are assigned, the precise date of death is uncertain or the author is still living.

Ait.	Aiton, W., 1731-1793
All., Fr.	Allemão, Fr.
Asch.	Ascherson, P. F. A., 1834-1913
Ashe	Ashe, W. W., 1872-1932
Aubl.	Aublet, J. B. C. F., 1720-1778
Aubrév.	Aubréville, A.
Auct.	Authors (used where names have been applied incorrectly by various authors)
Bail, f.	Bailey filius, 1866-1938
Bail., F. M.	Bailey, F. Manson, 1827-1915
Baill.	Baillon, H. E., 1827-1895
Bak.	Baker, J. G., 1834-1920
Bak. f.	Baker, E. G.
Bak., E. G.	Baker, E. G.
Bak., R. T.	Baker, R. T., ? -1941
Bedd.	Beddome, R. H., 1830-1911
Bechst.	Beckstein, J. M., 1757-1822
Benth.	Bentham, G., 1800-1884
Binn.	Binnendijk
Blakely	Blakely, W. F., 1875-1941
Bl.	Blume, K. L., 1796-1862
Boissier	Boissier, E., 1810-1886
Borkh.	Borkhausen, M. B., 1760-1806
Brit.	Britton, N. L., 1859-1934
B.S.P.	Britton, N. L., Sterns, E. E., 1846-1926 & Poggenberg, J. F., 1840-1893
Br., R.	Brown, R., 1773-1858
Br., P.	Brown, Patrick, 1720-1790
Buckl.	Buckley, S. D., 1809-1884
Burk.	Burkill, I. H.
Burt Davy	Burt Davy, J., 1870-1940
Camb.	Cambessedes, T.
Cap.	Capanema
Carr.	Carrière, E. A., 1816-1896
Chev., A.	Chevalier, Aug.
Cockne.	Cockayne, O., 1807-1873
Crantz	Crantz, H. J. N. von, 1722-1797

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Cunn., A.	Cunningham, A., 1791–1839
DC.	De Candolle, A. P., 1778–1841
DC., C.	De Candolle, Casimir P., 1836–1917
De Wild.	De Wildeman, E.
Deane & Maid.	Deane, H. & Maiden, J. H. (1859–1925)
Diels	Diels, L., 1874–
Don, D.	Don, D., 1799–1841
Dougl.	Douglas, D., 1799–1834
Dur.	Durand, Th. & H.
Duroi	Du Roi, J. P., 1741–1785
Dyer	Dyer, Sir W. T. Thiselton, 1843–1929
Ehrh.	Ehrhart, F., 1742–1795
Ell.	Elliott, S., 1771–1830
Endl.	Endlicher, S. L., 1804–1849
Engelm.	Engelmann, G., 1809–1884
Engl.	Engler, Adolf, 1844–1930
Exell	Exell, A. W.
Fisch.	Fischer, F. E. L. von, 1782–1854
Forbes	Forbes, J., 1773–1861
Foxw.	Foxworthy, F. W.
Francis & White	Francis, W. D. & White, C. T.
Fr.	Fries, E. M., 1794–1878
Gaertn.	Gaertner, J., 1732–1791
Gaertn. f.	Gaertner, C. F., 1772–1850
Gamb.	Gamble, J. S., 1847–1925
Gleas. & Pansh.	Gleason, H. A. & Panshin, A. J.
Gord.	Gordon, G., 1806–1879
Graebn.	Graebner, K. O. R. P. P., 1871–1933
Gray, A.	Gray, Asa, 1810–1888
Griseb.	Grisebach, A. R. H., 1814–1879
Guill.	Guillemin, J. B. A., 1796–1842
Gürke	Gürke, M.
Harms	Harms, H. A. T., 1870–
Hart.	Hartig, Th., 1805–1880
Hayne	Hayne, F. G., 1763–1832
H. B. & K.	Humboldt, F. H. A. von (1796–1859) ; Bonpland, A. (1773–1858) ; and Kunth, C. S. (1788–1850)
Heim	Heim, F. T., 1751–1821
Hemsl.	Hemsley, W. B., 1843–1924
Henry	Henry, Augustine, 1857–1930
Hiern	Hiern, W. P., 1839–1925
Hochst.	Hochstetter, C. F., 1787–1860
Hook.	Hooker, W. J., 1785–1865
Hook. f.	Hooker, Sir J. D., 1817–1911
Hub.	Huber, J., 1867–1914
Huds.	Hudson, W., 1730–1793

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Hutch. & Dalz.	Hutchinson, J. & Dalziel, J. M.
Jacq.	Jacquin, N. J., 1727-1817
Juss. A.	Jussieu, A. de, 1797-1843
Karst.	Karsten, G. K. W. H., 1817-1908
King	King, Sir George, 1840-1909
Kirk, T.	Kirk, T., 1828-1898
Koch, K.	Koch, K. H. E., 1809-1879
Koen.	Koenig, C., 1754-1851
Koord.	Koorders, 1863-1919
Korth.	Korthals, P. W., 1808 ?-1892
Kosterm.	Kostermans, A. J. G. H.
Krug	Krug, L., 1833-1898
Krug & Urb.	Krug, L. & Urban, I. (1848-1931)
Kuhlm.	Kuhlmann, J. G.
Ktze., O.	Kuntze, C. E. Otto, 1843-1907
Kurz	Kurz, S., 1833?-1878
Labill.	Labillardiere, J. J. H. de, 1755-1834
Lam.	Lamarck, J. B. A. P. de M. de, 1744-1829
Lamb.	Lambert, A. B., 1761-1842
Ledeb.	Ledebour, C. F. von, 1785-1851
Loud.	Loudon, J. C., 1783-1843
L'Hérit.	L'Héritier, C. L. de Brutelle, 1746-1800
Lieblein	Lieblein, F. K., 1744-1810
Lindl.	Lindley, J., 1799-1865
Link	Link, H. F., 1767-1851
L.	Linné, C. von, 1707-1778
L.f.	Linné, C. von, filius, 1741-1783
McLelland	McLelland, J., 1805-1883
Maid.	Maiden, J. H., 1859-1925
Manetti	Manetti, G.
Marsh.	Marshall, H., 1722-1801
Masters	Masters, M. T., 1833-1907
Maxim.	Maximowicz, C. J., 1827-1891
Medic.	Medicus, F. C., 1736-1808
Merr.	Merrill, Elmer, D.
Mey., E.	Meyer, E. H. F., 1791-1858
Mez	Mez, K. C., 1866-
Michx.	Michaux, A., 1746-1802
Michx. f.	Michaux, F. A., 1770-1855
Mill.	Miller, P., 1691-1771
Miq.	Miquel, F. A. W., 1811-1871
Moench	Moench, C., 1744-1805
Muell., F.	Mueller, F. von, 1825-1896
Müll.-Arg.	Mueller or Müller, Jean (Argoviensis, i.e. of Aargau), 1828-1896
Murr. A.	Murray, A., 1812-1878
Murray	Murray, J. A., 1740-1791

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Nutt.	Nuttall, T., 1786–1859
Oerst.	Oersted, A. S., 1816–1872
Oliv.	Oliver, D., 1830–1917
Pansh.	Panshin, A. J.
Park.	Parker, R. N.
Parl.	Parlatore, F., 1816–1877
Pav.	Pavon, José, 175?–1844
Pellegr.	Pellegrin, F.
Perr.	Perrottet, G. S., 1793–1870
Pers.	Persoon, C. H., 1755–1837
Pierre	Pierre, Louis, 1833–1905
Pilg.	Pilger, R.
Pitt.	Pittier, H. F.
Poir.	Poiret, J. L. M., 1755–1834
Prain	Prain, Sir David, 1857–1944
Presl	Presl, J. S., 1791–1849
Pursh	Pursh, F., 1774–1820
Rehd.	Rehder, A.
Rendle	Rendle, A. B., 1865–1938
Retz.	Retzius, A. J., 1742–1821
Rich.	Richard
Rich., A.	Richard, A., 1794–1852
Rich., L. C.	Richard, L. C., 1754–1821
Roem.	Roemer, J. J., 1763–1819
Rose	Rose, J. N., 1862–1928
Roth	Roth, A. W., 1757–1834
Rowlee	Rowlee, W. W., 1861–1923
Roxb.	Roxburgh, W., 1759–1815
Ruiz & Pav.	Ruiz, L. H. (1764–1815) & Pavon, José (175?–1844)
Rupr.	Ruprecht, F. J., 1814–1870
Salisb.	Salisbury, R. A., 1761–1829
Sarg.	Sargent, C. S., 1841–1927
Schau.	Schauer, J. K., 1813–1848
Scheff.	Scheffer, R. H. C. C., 1845–1880
Schinz	Schinz, Hans, 1858–1941
Schneid.	Schneider, C., 1876–
Schomb.	Schomburgk, R., 1811–1891
Schott.	Schott, H. W., 1794–1865
Schum., K.	Schumann, K. M., 1851–1904
Scop.	Scopoli, J. A., 1723–1788
Seem.	Seeman, B., 1825–1871
Seibert	Seibert, R. J.
Sénécl.	Sénéclauze, A., 1840–1867
Sieb.	Siebold, P. F. von, 1796–1866
v. Slood.	D. F. van Slooden
Sm.	Smith, J. E., 1759–1828
Soland.	Solander, D., 1736–1782

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Sprague	Sprague, T. A.
Spr.	Sprengel, Kurt, 1766-1833
Standl.	Standley, P. C.
Steud.	Steudel, E. G., 1783-1856
Stokes	Stokes, J., 1755-1831
Sudw.	Sudworth, G. B., 1864-1927
Sw.	Swartz, O., 1760-1818
Sweet	Sweet, R., 1783-1835
Sym.	Symington, C. F., 1905-1943
Teijsm.	Teijsmann, J. E., 1809-
Ten.	Tenore, M., 1780-1861
Thom.	Thomas, F., 1840-1918
Thoms.	Thomson, Thomas, 1817-1878
Torr.	Torrey, G. S., 1891-
Torr. & Gray	Torrey, J. (1796-1873) & Gray, A. (1810-1888)
Turcz.	Turczaninow, N. S., 1796-1864
Urb.	Urban, Ignatz, 1848-1931
Vahl	Vahl, M., 1749-1804
Valet.	Valeton, Th., 1855-1929
Vell.	Vellozo, J. M. da C., 1743-1812
Vent.	Ventenat, E. P., 1757-1808
Voss	Voss, A., 1857-1924
Wall.	Wallich, N., 1786-1854
Warb.	Warburg, Otto, H., 1859-1938
Ward.	Warder, J. A., 1812-1883
White & Francis	White, C. T. & Francis, W. D.
W. & A.	Wright, R. (1796-1872) & Arnott, G. A. W. (1799-1868)
Willd.	Willdenow, C. L., 1765-1812
Wils., E. H.	Wilson, E. H., 1876-1930
Wils., P.	Wilson, P.
Zucc.	Zuccarini, J. G., 1797-1848

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